

# WISCONSIN AFFILIATE AWARDS CELEBRATION

Sunday, May 7, 2023 • MSOE Kern Center • 1:00pm-4:30pm



## AWARDS FOR **ASPIRATIONS** IN COMPUTING

Celebrating Wisconsin's  
Young Technologists

**#NCWITWI**



# TABLE OF CONTENTS



## Wisconsin Affiliate AWARD FOR ASPIRATIONS IN COMPUTING an NCWIT Award

**MISSION:** Recognize, encourage, & tap into the potential of young women who are interested in computer science & technology while supporting their teachers and others who inspire them. Provide positive role models and examples of women in technology careers.

**VISION:** Present a more inclusive view of women in technology, and sustain our annual awards event with ongoing inspiration, outreach opportunities, and by connecting resources with support for women and girls in underrepresented groups.

**VALUES:** Technical knowledge, inclusiveness, diversity, innovation, and hard work.

**GOALS:** Promote academic and career opportunities to inspire more women to become technology professionals.

## TABLE OF CONTENTS

NCWIT-WI Mission, Vision, Values, Goals & Table of Contents .....	2	Aspirations Awards: Honorable Mentions .....	32
Event Agenda, About NCWIT .....	3	Aspirations Awards: Wisconsin Rising Stars .....	41
About NCWIT Aspirations in Computing .....	4	Academic Partners, Academic Alliance .....	45
NCWIT-WI Today Infographic .....	5	Index of Honored Students' Schools by District .....	46
NCWIT-WI Board of Directors; Aspirations Volunteers .....	6	Index of Honored Students by School .....	48
Words to Wise: Encouragement For You .....	7	Collegiate Award, AspireIT, Counselors for Computing .....	51
Founding Sponsor: PDS, John Miller, Executive Vice President .....	8	NCWIT-WI Sponsors .....	52
Keynote Bio: Sangeetha Rai, VP, Technology Customer Success, Northwestern Mutual .....	10	Founding Sponsor: PDS, a Converge Company .....	53
NCWIT Rep Bio: Edie Cheng, Aspirations in Computing Director .....	11	Gold Sponsor: Associated Bank .....	54
Aspirations Alumnae Well Wishes .....	12	Silver Sponsors: MSOE, Northwestern Mutual .....	55
Educator Awards .....	13	Bronze Sponsors: Generac, Sim Wisconsin, MATC .....	56
Aspirations Awards: About .....	16	NCWIT National Sponsors .....	57
Aspirations Awards: National Honorees .....	17	WI Academic Alliance Members Program Flyers .....	58
Aspirations Awards: Wisconsin Winners .....	19	Back Cover: MATC Graphic Design Program Info .....	84



# AGENDA



## NCWIT-WI AWARD RECOGNITION EVENT

Sunday May 7, 2023 • 1:00pm-4:30pm

- 1:00-1:30PM** ○ **COLLEGE FAIR & NETWORKING**  
Meet and Greet
- 1:30-1:40PM** ○ **WELCOME & INTRODUCTION**  
Cynthia Short, Lexico, Emcee  
Dr. Ruth Barratt, Dept Chair, Rader School of Business
- 1:40-1:55PM** ○ **HONORED SPEAKERS**  
Edie Cheng, Director, NCWIT Aspirations in Computing  
Sangeetha Rai, VP, Technology Customer Success, Northwestern Mutual
- 1:55-2:00PM** ○ **EDUCATOR AWARDS**  
Presented by former Educator Honorees Bob Getka (Janesville Parker),  
Stacy Lesmeister (Cedarburg), and Laura Masbruch (Whitewater)
- 2:00-2:20PM** ○ **IT ALUMNAE AND PROFESSIONALS: Q&A PANEL**  
Johonna Duckworth, Lifestyled by Johonna
- 2:20-2:25PM** ○ **STAND AND STRETCH**  
Honorees come to the front and sit in your assigned seats
- 2:25-3:35PM** ○ **STUDENT AWARDS**  
Presenters: TJ Cobb, Milwaukee County, & Abigail Thomsen, Associated Bank  
State Rising Stars  
State Honorable Mentions  
State Winners  
National Honorable Mentions  
National Winner
- 3:35-3:40PM** ○ **THANK YOU TO OUR BOARD & SPONSORS**  
Closing Remarks: John Miller, VP, PDS/Evaluation
- 3:40-4:30PM** ○ **PHOTOS, COLLEGE FAIR & NETWORKING**  
Reception with hot and cold appetizers

## ABOUT NCWIT



The National Center for Women & Information Technology (NCWIT) is the farthest reaching network of change leaders focused on advancing innovation by correcting underrepresentation in computing.

Learn more at [www.ncwit.org](http://www.ncwit.org)





# ABOUT ASPIRATIONS



## ABOUT THE NATIONAL CENTER FOR WOMEN & INFORMATION TECHNOLOGY (NCWIT)

The National Center for Women & Information Technology (NCWIT) is the farthest-reaching network of change leaders focused on advancing innovation by correcting underrepresentation in computing.

NCWIT convenes, equips, and unifies nearly 1,500 change leader organizations nationwide to increase the influential and meaningful participation of girls and women – at the intersections of race/ethnicity, class, age, gender identity, sexual orientation, disability status, and other historically marginalized identities – in the field of computing, particularly in terms of innovation and development.

Find out more at [www.ncwit.org](http://www.ncwit.org).



## ABOUT NCWIT ASPIRATIONS IN COMPUTING (AIC)

NCWIT AiC changes what's possible for women in technology from K-12 through career by offering the kind of encouragement that combats isolation, enables long-term persistence, opens doors, and changes lives.

Through the Awards Recognitions program, the NCWIT Award for AiC honors 9th-12th grade women, genderqueer, and non-binary students for their computing-related achievements and interests, and encourages them to pursue their passions. These award recipients are then inducted into the AiC Community – a phenomenal network of more than 22,000 technologists who receive many exclusive benefits. Through Award Recognitions and the Community, AiC reaches all 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, all U.S. overseas military bases, and Canada.

Find out more at [www.aspirations.org](http://www.aspirations.org).

## ASPIRATIONS IN COMPUTING NATIONAL STATS...

<b>22K</b>	<b>84</b>	<b>19K+</b>	<b>118</b>	<b>650+</b>
Community Members	Regional Affiliates	High School Recipients	Collegiate Recipients	Educator Recipients

 NATIONAL CENTER FOR WOMEN & INFORMATION TECHNOLOGY (NCWIT)  
[aspirations@ncwit.org](mailto:aspirations@ncwit.org) // [@NCWITAIC](https://twitter.com/NCWITAIC) // [facebook.com/aspirationsaward](https://facebook.com/aspirationsaward) // 303.735.6671

*The entire Aspirations in Computing program platform is supported generously by Apple. Aspirations in Computing also receives support for specific national program elements. The Cognizant U.S. Foundation provides broad support for growing the Aspirations program in strategic regional efforts. The NCWIT Award for Aspirations in Computing is supported by Bank of America. Learn more at [www.aspirations.org](http://www.aspirations.org).*



# NCWIT WISCONSIN



## Wisconsin Affiliate

2022-2023



### Mission statement

**12** Years

NCWIT Wisconsin Affiliate  
616 honorees, 854 awards, 34 national honorees, 1 collegiate honoree and 6 Aspire IT Grants

In 2022-23 we provided access to over 35 Scholarships, Internships, and Events involving students networking with other young IT professionals



2022 Event Booklet

**Email:**  
ncwit.wi@gmail.com

**Website**  
www.ncwit-wi.org

**LinkedIn**  
linkedin.com/company/ncwit-wisconsin/

**Sponsorship Information**  
Mary Acuna  
Mary.acuna1@gmail.com



### Impact

"It made me feel recognized as a woman in computer science and gave me motivation to keep moving forward in the field."

"Gave me a community of like minded individuals"

"Winning the award gave me the confidence that this was the right career path for me. I had a lot of doubts about being a girl in tech, but the award affirmed that I have a place here and has inspired me to be that encouragement for other girls in tech as well."

### AWARDEES



Wisconsin Affiliate  
AWARD FOR  
ASPIRATIONS  
IN COMPUTING  
an NCWIT Award

**153**

9-12<sup>th</sup> grade high school students, including **1 National Winner** and **4 Honorable Mention** honorees



ASPIRATIONS  
IN COMPUTING  
EDUCATOR AWARD  
an NCWIT Award

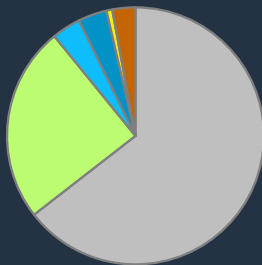
**3**

2 Winners from highschools and 1 Honorable Mention

### Across the State



### Diversity



\* Self-Identified

- White
- Asian
- Black
- Hispanic
- Native American
- Other

### Volunteers

**62**

Professional and Student Volunteers from 33 organizations

**500+**

Volunteer Hours





# BOARD OF DIRECTORS

## DIRECTORS

### CHAIR

Joe Kmoch, JK Consulting

### AiC APPLICATIONS AND REVIEW

Joe Kmoch, JK Consulting

### AiC AWARDS EVENT

Cheryl Nowak, PFES (chair)  
Sharon Skinner, Alverno College

### ACADEMIC ENGAGEMENT- COLLEGIATE

Patricia Phillips, Instructional Designer

### ACADEMIC ENGAGEMENT- K-12

Kristi Tlachac, Northwestern Mutual

### ACADEMIC ENGAGEMENT- ASPIREIT

Joe Kmoch, JK Consulting

### ALUMNAE OUTREACH

Grace Vanden Huevel, Michigan Tech Student

### COMMUNITY OUTREACH

Megan McNeary, Zywave

### VICE CHAIR

Cheryl Nowak, PFES

### DIVERSITY ENGAGEMENT

Johonna Duckworth, Lifestyled by Johonna

### MARKETING AND DIGITAL PRESENCE

Cynthia Stenard, Associated Bank  
Steven Hartl, PDS, a Converge Company

### FINANCE/TREASURER

Christine Gay, Advocate Health

### AT LARGE

John Miller, PDS, a Converge Company

### INTERN

Abbey Beder, Alverno College

### SPONSORSHIP

T.J. Cobb, Milwaukee County  
Mary Acuna, Arise Virtual Solutions

## VOLUNTEERS

Carly Brahm, Northwestern Mutual

Christine Cheng, UW-Milwaukee

Megan Choy, AiC Alumna 2019

Megan Cindric, devCodeCamp

Beth Clarke, CESA 2

Nicole Conrad, Johnson Control

Doris Dix, Northwestern Mutual

Cindy Enli, US Venture

Ellie Ertl, AiC Alumna 2021

Kendra Fitzpatrick, AiC Alumna 2021

Christine Gardner, Associated Bank

Emily Gehrke, AiC Alumna 2017

Juliana Getka, AiC Alumna 2019

Shrada Godishala, AiC Alumna 2020

Angie Gorton, AiC Alumna 2022

Jannatul Hakim, AiC Alumna 2022

Sharon Ihm, ManpowerGroup

Hayley Jamiola AiC Alumna 2021

Muskan Kanungo, AiC Alumna 2018

Cailey Kocian, Associated Bank

CyndiKaye Lambach, WCTC

Keri McConnell, Northwestern Mutual

Tania Mishra, AiC Alumna 2022

Alesha Morovits, AiC Alumna 2016

Julie Pollak, Northwestern Mutual

Shalisha Porter, Firefly Multimedia

Laurie Reck, Associated Bank

Joni Reese, Zonta/Northwestern Mutual

Cindi Short, Lexico Consulting

Susan Thao, AiC Alumna 2022

Abigail Thomsen, Associated Bank

Jason Vander Weele, Associated Bank

Nouchi Weber, AiC Alumna 2021

Rachael Wiley, AiC Alumna 2019

Jennifer Young, Volta Records

Riley Young, AiC Alumna 2021



# WORDS TO THE WISE



THE FOLLOWING PAGES INCLUDE EXPERIENCES AND ADVICE FOR YOU FROM PROFESSIONALS AND STUDENTS. PLEASE READ AND ENJOY THEIR COMMENTS.

## **JOHN MILLER ..... 8**

Executive Vice President and General Manager, PDS, a Converge Company,  
Founding Sponsor of NCWIT-WI Aspirations

## **SANGEETHA RAI ..... 10**

VP, Technology Customer Success, Northwestern Mutual

## **EDIE CHENG ..... 11**

Director, NCWIT Aspirations in Computing

## **ENCOURAGEMENT AND ADVICE FROM ASPIRATIONS ALUMNAE ..... 12**

**“A MENTOR IS SOMEONE WHO ALLOWS YOU  
TO SEE THE HOPE INSIDE YOURSELF.”**

-OPRAH WINFREY





# FOUNDING SPONSOR



## JOHN MILLER

Executive VP and GM, PDS, a Converge Company,  
Founding Sponsor of NCWIT-WI Aspirations

On December 23, 2022, my mother passed away. The pain was so real and most raw in those days that followed. Just five days after her death, a gift appeared to us though. My dad, sister, and I were doing the hard deed of going through much of her things in haste as we prepared for a funeral and family that would be in town. What we found was a stack of poems written by my mom. She's always given me poems through the years, but suddenly here was this stack of them, most of which I've never seen. Now five days later, she spoke to us again.

One of those poems she titled, "Different Flowers."

### DIFFERENT FLOWERS

by Mrs. Diana Miller

So many different flowers  
each having its own hue.  
A unique personality,  
just like me or you.

Each and every flower holds  
a beauty of its own.  
As each is joined with another,  
more beauty is grown.

When a child, I liked a daisy,  
my mom liked a rose.  
Some prefer a sunflower,  
so on and on it goes.

You may put together a group  
of all the one you choose.  
Beware that when you single out...  
You may lose.

The greatest of the beauty  
that God has given you...  
Mix the flowers so the color of  
God's love shines through.

What she is saying is the beauty of our world lies in our diversity and differences. That when blended together equally and respectfully, we rise together into something more. This matters at all levels of life from personal, social, spiritual, to professional.

Our world is adapting and has a ways to go to embrace these words. For example, professionally, I work in the IT field which has largely been underserved in female representation. I am truly blessed to work for a company that is committed to changing this, both in leading by example in how we hire, train, and promote, and also in investing in programs that help provide a path for girls to have the right encouragement, support, and recognition to pursue whatever dreams they have. That's why NCWIT and the Aspirations in Computing Award is so important, and why we're in our 6th year as the Founding Gold Sponsor. This organization identifies girls that represent hope and strength in becoming key contributors in tech and changing the math in diverse representation.





# FOUNDING SPONSOR



And with that, today we recognize you. You not only show desires and accomplishments in the field of technology, but are helping create a beautiful bouquet in the technology field. You all bring a unique journey, challenges, and aspirations for the future. Your uniqueness makes you you. Technology binds us. But our embracement of coming together, all genders, all races, etc – this creates unlimited possibilities and beauty.

Thanks for setting the example. Thanks for changing the narrative of girls and women in tech. Thanks for mixing the flowers!

Congratulations,  
John Miller

NCWIT Board Member – Wisconsin Chapter  
EVP & GM of PDS, and Regional VP of Converge Technology Solutions  
PDS, A Converge Company



Converge & PDS employs thousands in the field of Information Technology. Our organization pledges to continue to support NCWIT, and leading by example with equitable hiring and active involvement in DEI initiatives.

Pictured Below: John and his mother, Diana.





# KEYNOTE SPEAKER



## SANGEETHA RAI

SHE/HER

VP, Technology Customer Success  
Northwestern Mutual

Sangeetha Rai is an accomplished leader with over 20 years of experience in leading globally distributed teams, delivering exceptional customer success, as well as service delivery, operations, and technology solutions.

With a passion for customer happiness, she is driven to create a culture of customer focus, automation, and continuous improvement to elevate the customer experience.

As the Executive Sponsor for Women-in-Tech at Northwestern Mutual, Sangeetha is committed to moving the needle on gender diversity in the tech industry. Through various initiatives, she is dedicated to promoting diversity and inclusion and aims to achieve a 50/50 split of women in technology fields.

In addition to her professional achievements, Sangeetha leader serves on the board of Red Cross Wisconsin, Milwaukee Tech Hub, and Consero, demonstrating a commitment to her community and beyond.

When not leading teams and driving innovation, she enjoys sharing her insights and experiences as a keynote speaker, panelist, and roundtable participant at conferences and events focused on customer experience and diversity and inclusion.

On a personal level, she loves to travel and explore the world, enjoying adventure sports and creating bucket lists.

From driving coast-to-coast in the US to visiting all continents except for Antarctica, she is always up for a new challenge and exciting adventure.



Northwestern Mutual is a Fortune 500 financial services mutual organization based in Milwaukee, Wisconsin. They provide consultation on wealth and asset income protection, education planning, retirement planning, investment advisory services, financial planning trust and private client services, estate planning and business planning, among others.



# NCWIT ASPIRATIONS DIRECTOR



## EDIE CHENG

SHE/HER/HERS

Director  
NCWIT Aspirations in Computing

Edie Cheng is passionate about helping underrepresented people, particularly women and non-binary and genderqueer students, to explore computing and the intersection of technology and media. Edie joined NCWIT in 2014 and as Director of the Aspirations in Computing program, leads a team of staff and volunteers to implement Aspirations in Computing throughout the United States and Canada.

Edie was previously the Digital Media Manager for the San Francisco Symphony and has worked as a project manager, entrepreneur, and business consultant. Edie started her career as a software developer and holds a degree in computer science from Brown University, as well as an MBA from MIT Sloan.

Message from Edie Cheng:

“Congratulations! On behalf of the National Center for Women & Information Technology (NCWIT), I want to congratulate each of you on earning the NCWIT Award for Aspirations in Computing (AiC). I know that for some of you, applying for this award wasn’t simple or easy and

I’m very proud that you took the time to complete the application and share a little bit about your hopes and dreams with us.

We hope that NCWIT can grow with you and offer you continuing opportunities to learn what you want to contribute and how you can best use your talents and skills. You are in a prime position to shape future innovation with your unique ideas and to take advantage of some of the most rewarding, highest-paying careers.

NCWIT is dedicated to increasing the influential and meaningful participation of women, non-binary, and genderqueer individuals in the field of computing, particularly in terms of innovation and development. We want to support your plans for the future, wherever it may take you. Connect with the more than 25,000 members of the AiC Community. We look forward to welcoming you!”



**AWARD FOR  
ASPIRATIONS  
IN COMPUTING**  
an NCWIT Award





# ALUMNAE UPDATES



## JULIANNA GETKA

NCWIT Award Years: 2018-2019

Janesville Parker High School, Class of 2019

Milwaukee School of Engineering, Biomedical Engineering, Class of 2023

When deciding my major in High School, I was very indecisive and unsure how to make such an important decision. I had hoped to include my interests of working in healthcare and my desire to help others with a passion for technology.

I decided I wanted to pursue a degree in Biomedical Engineering for multiple reasons. I was inspired by a keynote speaker at the National Center for Women & Information Technology awards ceremony who talked about her job at a hospital designing systems and machines used on patients. She talked about working on developing a device that could alert people when they were about to have a stroke, heart attack, or any major medical emergency. I was immediately fascinated by the idea of involving the medical field with technology.

I was originally looking into a career using technology like software engineering, but I also wanted to work in the medical field and had an interest in learning more about human anatomy. Biomedical engineering was the perfect combination to use my technical aptitude to help people through improving patients' standard of healthcare to assisting doctors and nurses with the development of advanced technology.



## TANIA MISHRA, SHE/HER

NCWIT Award Years: 2021 National Winner; 2019-2021 Awardee

Brookfield Central High School, Class of 2022

Marquette University, Double Major in Computer Science and Cognitive Science with a minor in Dance, Class of 2026

The NCWIT community has benefited me in many ways. I first became a part of the community in 2019, my freshman year of high school. Attending the award ceremony and joining the online communities on Slack and Facebook helped me feel like I belong in the tech world. Despite there being only a few girls in my tech classes, this community showed me how powerful and important women in tech are. In addition, I got the opportunity to apply for an internship at Northwestern Mutual through NCWIT WI. I interned there for 2 years as a high schooler, through which I was able to develop my professional and technical skills.

This summer, I am returning to Northwestern Mutual as a college intern after my freshman year of college; thanks to NCWIT, my high school internship experience helped me qualify for the college intern program that is usually reserved for juniors and seniors. From gaining a community of role models to receiving amazing opportunities to further my tech career, NCWIT and specifically NCWIT WI has been very important to me, and I hope that it becomes just as helpful to you too!

Congratulations to all awardees!!



# EDUCATOR AWARDS



## **ABOUT THE ASPIRATIONS IN COMPUTING AWARDS EDUCATOR AWARDS (AiC EDUCATOR AWARD)**

The NCWIT AiC Educator Award identifies exemplary formal and informal educators who play a pivotal role in encouraging 9th-12th grade students who self-identify as women, genderqueer, or non-binary to explore their interest in computing and technology. The award recognizes these educators for their efforts to promote gender equity in computing.

**Find out more at:**

**<https://www.aspirations.org/award-programs/aic-educator-award>**





# EDUCATOR HONOREES

## EDUCATOR STATE WINNERS



### **AMANDA GLUNZ, SHE/THEY**

Audubon High School, Milwaukee

Amanda is the lead Computer Science, NAF Academy of Information Technology, and Career and Technical Education Teacher at Audubon Technology and Communication Center. She also works with the Boy's and Girl's Club of Greater Milwaukee to provide after-school FIRST Robotics programming utilizing FIRST Tech Challenge and FIRST Lego League.

Amanda was and continues to be an integral member of the school-based team that brought computer science programming to both Audubon's middle and high school during the 2020-2021 school year. Each year, she has been involved in the growth of computer science programming starting with one course in the 2020-2021 school year to five courses in the 2022-2023 school year. Additional courses are still in planning stages.

Amanda serves on the NAF Curriculum Collaborative Lab which is a team of computer science teachers from around the U.S. that works together to bring innovative lesson and project ideas to their classrooms to increase student engagement and technology comprehension.



### **MELANIE SHIMEK, SHE/HER**

Lincoln High School, Manitowoc

Melanie is a high school Business and Technology Teacher in Manitowoc, WI. Melanie has the honor and privilege of serving hundreds of students every year. Melanie vetted and spearheaded a program that allows students to earn an IT Web and Software Development Diploma here at Lincoln High School, awarded by LTC. Students can receive either a college-level diploma or an associate degree all before they graduate high school, at no cost to the family!

Melanie is fiercely proud that she was able to take the computer science program in the area and grow it from 30 students to 500+ students in under five years. Melanie is humbled to work with some of the brightest minds every day and watch them develop a computational mindset! Melanie has her Master's in Business Administration and a Master's in Curriculum and Instruction. Melanie was awarded as a 2021 Herb Kohl Educational Fellow, highlighting her work in the computer science field.

As Melanie continues her teaching journey, her goal is to continue to expand the computer science offerings to students, even though her school already has a robust program, and continue her work within her classroom to help students reach their full potential and fall in love with this field.



# EDUCATOR HONOREES



## EDUCATOR STATE HONORABLE MENTION



### SAGHAR HOMAYOUNPOUR

New Berlin West Middle/High School

Saghar Homayounpour has been a Computer Science teacher at the New Berlin West Middle/High School for the last 8 years. She had a Bachelor's degree in English Literature before receiving a Minor in Computer Science from The University of Wisconsin-Milwaukee. She later continued her studies at the University of Ottawa where she received her Bachelor's degree in Teachers Education Program.

Saghar's passion is to help expand Computer Science learning opportunities for all students and provide equity in CS education in Wisconsin. She is committed to supporting other teachers, and helping other districts grow their Computer Science programs. She has been a CSTA leader at large for the last three years, and has been part of the "Mentors in CS" program providing guidance and support to teachers new to teaching Computer Science.

To increase the female participation in Computer Science and address gender equity, Saghar and her students have started the "Girls Who Code" club where they build a community of supportive peers and role models, and learn Computer Science skills through fun interactive activities that solve real-world problems.

## PAST HONOREES

**Amy Fetherston**, *Wauwatosa West HS*, 2022 Winner

**Stacy Lesmeister**, *Cedarburg HS*, 2022 Winner

**Rick Kamps**, *Pulaski HS*, 2022 Honorable Mention

**Mark Taylor**, *Milwaukee Excellence Charter School*, 2021 Winner

**Samantha Kabel**, *New London HS*, 2021 Honorable Mention

**Jim Ferwerda**, *Mukwonago HS*, 2021 Honorable Mention

**Alyssa Basthmer**, *Kettle Moraine HS of Health Sciences*, 2020 Winner

**Mary Walz**, *Sauk Prairie HS*, 2020 Honorable Mention

**Olivia Dachel**, *Merril HS*, 2019 Winner

**Brenda Larson**, *Menomonee Falls HS*, 2019 Honorable Mention

**Laura Masbruch**, *Whitewater HS*, 2019 Honorable Mention

**Aaron Chamberlain**, *New Berlin Eisenhower Middle/HS*, 2018 Winner

**Jim Ferwerda**, *Mukwonago HS*, 2018 Honorable Mention

**Aaron Pavao**, *Waunakee HS*, 2017 Winner

**Rose Hoffman**, *Waukesha Catholic MemoRail HS*, 2017 Honorable Mention

**Linnea Logan**, *Whitefish Bay HS*, 2016 Winner

**Dean Johnson**, *Fort Atkinson HS*, 2015 Winner

**Rose Hoffman**, *Waukesha Catholic MemoRail HS*, 2014 Winner

**Tom Wozniak**, *Rufus King IB HS*, 2013 Winner

**Bob Getka**, *Janesville Parker HS*, 2012 Winner





# ASPIRATIONS AWARDS



**AWARD FOR  
ASPIRATIONS  
IN COMPUTING**  
an NCWIT Award

## **ABOUT THE ASPIRATIONS IN COMPUTING AWARDS (AWARD FOR AiC)**

The NCWIT Award for AiC honors 9th- 12th grade women, genderqueer, and non-binary students for their computing-related achievements and interests and encourages them to pursue their passions. These award recipients are then inducted into the AiC Community — a phenomenal network of 20,000 technical women, genderqueer, and non-binary individuals who receive many exclusive benefits. Through Award Recognitions and the Community, AiC reaches all 50 states, the District of Columbia, Puerto Rico, Guam, the U.S. Virgin Islands, all U.S. military bases overseas, and Canada.

**Find out more at:  
[www.aspirations.org/recognitions/AiCAward](http://www.aspirations.org/recognitions/AiCAward)**





# NATIONAL HONOREES



## EMMA MAERTZ

SHE/HER

2023 AiC National Winner  
Nicolet High School  
Class of 2023

Emma, a senior at Nicolet High School, has been pursuing her passion for STEM since 3rd grade. Her love for programming led her to join UW-Milwaukee's Girls Who Code program, where she participated for 8 years as a student, then teaching assistant.

As a rising junior, Emma participated in MKE Tech Hub's Pre-Internship for Data and AI. And as a rising senior, Emma interned at Rockwell Automation, where she will

return this summer. Emma has taken several programming classes including AP Computer Science A. She has been the programming student lead for FRC Team 4786 Nicolet FEAR for the past two years. She also tutors 5th-11th graders in math.

Emma plans on pursuing a degree in computer engineering and minor or double major in robotics after she graduates from Nicolet High School in 2023.

## NATIONAL HONORABLE MENTION



## JESSICA BAHENA HERNANDEZ, SHE/HER

2023 AiC National Honorable Mention  
Madison East High School  
Class of 2023

Jessica Bahena Hernandez is a Latinx senior at Madison East. She's been interested in technology since the age of 8. She would create content like videos, graphic designs, and games. Her interests led to taking AP Computer Science Principles and an internship based on Computer Science/Engineering at UW-Madison. She also worked with EnsoData, a company that uses AI scoring and analysis solutions to detect irregular sleep and rest patterns. The experience sparked an interest in STEM and finding cures to illnesses or creating devices to detect complications.

Through technology, Jessica hopes to make treatments more accessible. As a Latinx, she's witnessed boundaries around language, being undocumented, of being "of age" and costly methods that also take time to access.





# NATIONAL HONOREES

## NATIONAL HONORABLE MENTIONS



**NORA BETRY, SHE/HER**  
2023 AiC National Honorable Mention  
New Berlin West Middle/High School  
Class of 2024

Nora, a sophomore at New Berlin West, has been interested in computer programming for a few years. As a Freshman, she took AP Computer Science Principles; and Computer Programming as a Sophomore. This year she is taking AP Computer Science A. Next year she will take Data Structures through Marquette University.

Nora enjoys programming in both Java and Python. This year Nora began a Chapter of Girls who Code at her school. She's loved the experience of mentoring beginner programmers and being part of a supportive community. Nora hopes to go to college for computer science, because she loves problem solving and challenging herself.



**SHRADHA GODISHALA, SHE/HER**  
2023 AiC National Honorable Mention  
Middleton High School  
Class of 2023

Shradha, a senior at Middleton High School, was fascinated by the connection between technology and the humanities throughout her high school career. This philosophy led her to pursue a community project during the pandemic to use technology to promote local spending; teach kids five through fourteen how to code, and; work with the Cyber Security team at IncredibleBank.

Furthermore, she has pursued computer science classes at her high school, and served on the Model UN board at her school. Shradha is currently working with a team to build an AI networking platform to connect nonprofit organizations with donors. Shradha plans on doing research on AI at UW-Madison.



**MADALYN RICHTER, SHE/HER**  
2023 AiC National Honorable Mention  
Oak Creek High School  
Class of 2025

Madalyn Richter, a sophomore at Oak Creek High School, and has taken both AP Computer Science Principles and AP Computer Science A, where she worked with Java and Javascript. She started Computer Science back in elementary school, joining her school's robotics team and making simple games with Javascript.

Her inspiration to continue Computer Science is fueled by wanting to see something she's making come to life. Madalyn plans on going to a 4-year college for Computer Science and going into a career of coding.



# AFFILIATE WINNERS



**IMANI ALIYA, SHE/HER**  
Whitefish Bay High School

Imani's interest in computer science peaked when she was first tasked to create a robot to participate in a school-sanctioned, friendly, robot fight. The coding and building fascinated her and ever since then, she has always wanted a career that intertwined with computer science. Imani completed the MKE Tech Accelerator summer program. There, she learned python, how to network, collaborate with peers from diverse backgrounds, and how to strengthen her public speaking skills. A turning point was a year-long internship with a UW-Milwaukee Freshwater Professor. Imani now plans to major in Marine Biology, emphasizing on conservation and research, and minoring in engineering. This dream connects to a lifelong goal of creating work with technology that will revive our oceans and their underwater ecosystems.



**MARY ARNETT, SHE/HER**  
Cedarburg High School

Mary, a junior at Cedarburg High School, is currently taking AP Computer Science Principles. She enjoys working with kids and volunteering at her elementary school. She has really liked her exposure to Computer Science so far and hopes to become more involved with it in the future.



**JUSTINA AUSTIN, SHE/HER**  
Milwaukee High School of the Arts

Justina is part of a Project Lead the Way Computer Science class as a senior at Milwaukee High School of the Arts. Her greatest technical accomplishment is being able to learn new languages and types of coding, such as block, python, and vex. She is still learning more languages and structures of Computer Science. Justina's plans are to either go to MSOE or UW Milwaukee and major in Computer Science so that she can be an app developer, design games, or work in robotics.



**FINNLEY BARRATT, XE/THEM**  
Cedarburg High School

Finnley has been taking computer science courses since the 4th grade. Xe have successfully made a website, small scratch game projects, and attempted a game on unity. Xe plans on making a full downloadable game in the future. Finnley plans to attend art college to go into a future career of game design, character design, and animation.



**EVIE BLEESE, SHE/HER**  
Wausau East High School

Evie, a junior at Wausau East, is involved in Curling, Tech Crew, Raise Your Voice, and Link Crew. Evie has been intrigued by technology since childhood when she saw a video explaining the mechanics of video games. This interest was strengthened in middle school when she enrolled in courses revolving around engineering and robotics. In high school, Evie began focusing on coding as a main interest. In her first coding class, she learned JavaScript and HTML. Currently, she is in her fifth semester of coding, where she is starting to expand her knowledge in the area of cybersecurity. Evie plans to attend UW La Crosse to study Computer Science with a Cybersecurity emphasis.



**JILLIAN BORCHERT, SHE/HER**  
Ronald Reagan High School

Jillian is a senior at Ronald Reagan High School and aspires to enter a career in the computer science industry. She plans on majoring in computer science at UW La Crosse. She has taken classes that have taught the programming languages Python and Java and is hoping to become fluent in many others. She is a member of her high school's National Honor's Society and excels in her schoolwork when it comes to math and computer science.





# AFFILIATE WINNERS



**TESS BRUETT, SHE/HER**  
Whitefish Bay High School

Tess, a sophomore at Whitefish Bay High School, is taking AP Computer Science Principles this year and has found it to be a great introduction to Computer Science. She is also taking an introductory Computer Science course at a local college. In the future, she hopes to attend college in Washington DC or New York City. Although she isn't sure what she'd like to study, she's interested in law and may serve as an advocate for gender equality.



**JAZMIN CEDERBERG, SHE/HER**  
Whitewater High School

Jazmin is a senior at Whitewater High School. Most of her technology experience comes from programming on her FIRST Robotics Competition team 6574 Ferradermis. Jazmin enjoys all opportunities to share the growth she has experienced by participating in FIRST and expose younger students to the technology opportunities in her community. Jazmin completed AP Computer Science A as a junior and continued programming courses at UW-Whitewater through an Early College Credit Program as a senior. Jazmin will continue her studies in computer science at UW-Madison and plans to explore the field of cybersecurity.



**ELEANOR CERTALIC**  
New Berlin West Middle/High School

Eleanor, a senior at New Berlin West Middle/High School, has a great passion for computer science. Eleanor wants to use her IT skills in the real world to help everyone to have a voice. Her passion for computer science started when she was young and continues to grow in each course she takes. She hopes that one day she can strengthen cybersecurity and fix problems in technology through her dedication and hard work. Eleanor plans to pursue a graduate degree and career as an Information Security Analyst in support of national security.



**ELIZABETH CLEVELAND, SHE/HER**  
Ashwaubenon High School

Elizabeth, a senior at Ashwaubenon High School has been interested in the ways people can design and create new technologies since middle school. Elizabeth is very interested in computer science, and she has been taking college-level courses since her sophomore year. She is captain of her softball team, and a nationally ranked powerlifter, holding state and national titles. She is part of the national honor society, Skills USA, and the math team. She also organizes her school's blood drive and volunteers as a youth softball coach. After she graduates high school, Elizabeth would like to pursue her interest in science as she plans on going to the University of Wisconsin-Green Bay to study exercise science and computer science.



**SAOIRSE COLLINS, SHE/HER**  
New Berlin Eisenhower Middle/High School

Saoirse, a Sophomore at New Berlin Eisenhower Middle/High School, is currently enrolled in her second computing class; AP Computer Science A. She has had an interest in STEM from a young age after being introduced to parts of the engineering field. She is planning on taking Data Structures and Cybersecurity next year, and she also plans to continue a career in computer science. Apart from her enjoyment of computer science, Saoirse is also a part of her school's swim team and DECA organization. She can't wait to see where this field takes her, and is excited to keep learning more about it.



**VIANNYS COLON, SHE/HER**  
Ronald Reagan High School

It started when Viannys would play video games or use a website. She would always wonder how it was possible. How did the website follow her every order or guess what her favorite color was? Then she moved away from her childhood home and went to a new school. The school had a Project Lead The Way class and she loved every minute of it. She didn't get bored. Instead, she allowed her creativity to shape her builds. She uses MIT App inventor, which has colorful block coding. Viannys thought she was never very good at art, but in computer science; she didn't need to be. Her creativity made something she was proud of. Since then Viannys has never looked back.



# AFFILIATE WINNERS



**MEGAN CURRAN**, SHE/HER  
Whitefish Bay High School

Megan's greatest technical accomplishment to date, is creating a website in computer science that was a fan page for Lin Manuel Miranda. Her future plans include attending a research college and majoring in some sort of biology or earth science program, and going to medical school. She wants to utilize technology to make medical innovation in areas such as treating and diagnosing diseases, along with the treatment of women in healthcare. Megan is especially concerned about how women are treated by doctors, and hopes to use technology to give women the care they need.



**EMILY DOUCETTE**, SHE/HER  
Whitefish Bay High School

Emily, a junior at Whitefish Bay High School, has a strong interest in computer science and cybersecurity. She is a vice president of the Girls Who Code club at her high school, and refounded the CyberPatriot club at her school this year. She has taken multiple computer science courses at her school, including Computer Science Principles 1 and AP Computer Science Principles. She plans to further her knowledge by taking AP Java next year. Outside of Stem, Emily dances with the Milwaukee Ballet School and Academy, and has performed in multiple professional productions with the Milwaukee Ballet Company. Emily hopes to major in computer science and pursue a career in cybersecurity.



**KATARINA DRIES**, SHE/HER  
Janesville Craig High School

Katarina, a senior at Janesville Craig High School, is enrolled in AP Computer Science A and recently completed Qubit-by-Qubit's Quantum Computing Winter course. She is a teacher's assistant in Computer Programming I (Python) and a Rock County Leadership Development Academy youth leader. She participated in the National Security Language Initiative for Youth program and the Fermi National Accelerator Laboratory. She had an internship with the Wisconsin IceCube Particle Astrophysics Center, and participated in UW Madison's Engineering Summer Program design challenges. Katarina has been selected as an Engineering Intern for SHINE Technologies and has participated in the Engineering Club. After starting her undergraduate degree, Katarina plans to apply computer science concepts to nuclear engineering to develop technology that will unleash the potential of modern physics to meet global needs in medicine, energy, and national security.



**MICHELLE DUBROVSKY**, SHE/HER  
Homestead High School

Michelle, a senior at Homestead High School, discovered her passion for computer science in middle school when she took an introductory computer science course. Since then, she has furthered her computer science knowledge through taking more challenging computer courses throughout high school. Michelle is currently taking AP Computer Science A, and is learning how to code and program more in Java. Last year, she took AP Computer Science Principles. Michelle wants to study computer science with emphasis on cybersecurity, to help make a difference and protect people and corporations from hackers and criminals. She thoroughly enjoyed the cybersecurity course she took and plans to study cybersecurity in college. As the desire for women in the technology industry grows, Michelle aspires to stand out as a leader by doing valuable work, and to inspire other girls to follow.



**MADISON ENGBOSE**, SHE/HER  
Cedarburg High School

Madison is a junior at Cedarburg High School. Throughout her high school career, she has taken classes such as AP/Project Lead the Way Computer Science Principles, AP Computer Science, as well as a few courses at nearby colleges. She is a part of the coding club, where she teaches younger kids about coding. In addition, she competes on the school math team, as well as the golf team, where she qualified for the state meet in 2021. She plans to continue increasing her knowledge with computer science and math courses throughout high school and take advantage of more opportunities during the summer. Madison is planning to pursue a career that combines her love of math and computer science.



**ABIGAIL ESMEIER**, SHE/HER  
Mukwonago High School

Abigail Esmeier, a senior at Mukwonago High School is currently part of an IT Academy there. She has won several awards, including the FIRST Dean's List Finalist Award. She has been interested in STEM for as long as she can remember, and she is currently the captain of her local FRC robotics team, Team 930 the Mukwonago BEARs. Abigail wants to work as a cybersecurity program manager and help girls and LGBTQ youth to realize their potential.





# AFFILIATE WINNERS



**GRACE FAN, SHE/HER**  
New Berlin Eisenhower Middle/High School

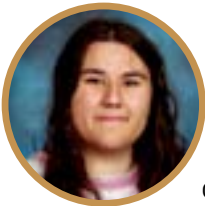
Grace, a senior at New Berlin Eisenhower Middle/High School and a two-time award winner. She has always loved programming and has taken numerous computer science courses both in and out of school.

She is knowledgeable in Java and JavaScript and familiar with Python and Xcode. Grace was also on the Aurora Competitive Intelligence team. Outside of coursework, Grace participates in swimming and plays piano, and she is the co-founder of Culture Club at her school. Next year, Grace plans to attend Northwestern University, where she will major in Data Science. She eventually hopes to utilize technology with statistical analysis in her professional career, helping to spark innovative techniques and inspire other women like her.



**SOPHIE FARRELL, SHE/HER**  
Hartford High School

Sophie, a senior at Hartford Union High School, enjoys volunteering and playing golf in her free time. She is a straight-A student and has taken various AP STEM classes. Sophie has always had an interest in STEM, but after taking AP Computer Science Principles she was inspired to pursue information technology as a career path. She continues to further her knowledge on the subject by taking AP Computer Science Applications, Programming with Modern Languages, and Robotics this year. She plans to attend college and major in Computer Science. Sophie is excited to learn more about human-computer interaction and artificial intelligence in college.



**MOLLY FLETCHER, SHE/HER**  
Cedarburg High School

Molly, a Junior from Cedarburg High School, is an active member of the Bulldog Coding Club where she mentors elementary students in technology applications. She has completed

Text Based Programming and is looking forward to AP Computer Science A next year. Molly is always looking for new challenges and loves putting her problem solving abilities to work. She is passionate about the future of AI and cyber security. Additionally, she looks to find new ways to utilize technology to help the climate crisis and save marine life. Molly's intentions are to pursue a Computer Science degree after she graduates high school.



**MADELINE FRANK, SHE/HER**  
Homestead High School

Madeline, a Junior at Homestead High School, has been interested in computer science and engineering for as long as she can remember. Madeline's passion for technology-based STEM principles truly began after entering sixth grade when she was introduced to computer science and Project Lead the Way classes. Since then she has been involved with computer science and engineering as much as possible. She has taken multiple computer science classes, including AP Computer Science and multiple Engineering classes. She also participates in the programming club and is on the board for her school's Girls Exploring Math and Science (GEMS) club. Madeline plans to continue this passion for technology in the future, including majoring in a technology or engineering field.



**ELEANOR FRANKE, SHE/HER**  
Janesville Parker High School

Eleanor has been interested in computer science since she was in 5th grade when she was on her school's FIRST LEGO League team. She has taken AP Computer Science Java A and AP Computer Science Principles. She is currently on her school's FIRST Robotics team. Eleanor plans to continue school by attending UW Madison or UW Platteville, studying how computer science can improve the safety of others. She also plans on her future career revolving around computer science.



**YANA FUHRMAN, SHE/HER**  
Whitefish Bay High School

Yana, an aspiring computing professional, has completed AP Computer Science Principles and AP Computer Science A. She is a part of her school's Math team and earned a Top 5 score among female participants in the state of WI in the MAA AMC10 competition. She received several awards in hackathons and programming competitions hosted by Marquette University and MSOE. Yana is active in several Computer Science outreach initiatives: she led "Exploring AI" sessions for middle and elementary school students, represented her school on code.org student advisory board, and provided feedback on a new AP Computer Science A curriculum. She is an instructor at Mathnasium where she enjoys sharing her love for math with young students. Yana wants to be a college professor, pursuing a PhD degree in Data Science, Computer Science and/or ActuaRail Science.



# AFFILIATE WINNERS



**KATIE FULLMER, SHE/HER**  
Reedsburg Area High School

Katie, a junior at Reedsburg Area High School, is fascinated by technology, mainly robotics, engineering, and artificial intelligence. Her fascination with robotics began at age nine, when she attended Milwaukee Maker Faire. She was inspired by the robotic works that art people created through motivation, knowledge, and passion. Katie's proudest programming accomplishment was completing the summer Inspirit AI course online. She explores additional programming and engineering opportunities. Katie plans to major in Mechanical Engineering & Computer Programming and specialize in soft robotics and programming at MIT. She wants to devote her life to facilitating other forms of study (such as space travel and ocean exploration) through the use of soft robotics. Katie wants to make a difference and never stop learning.



**JULIA GASKIN, SHE/HER**  
Homestead High School

Julia, a senior at Homestead High School, has been programming since she was 11, and has been fascinated by video games for even longer. She is a member of her school's programming team and has experience programming in HTML, CSS, Javascript, Python, and Java. She is also a dedicated art and music student, and incorporates elements of both in her programs. She hopes to pursue a career in Video Game Design & Development to create media that will inspire and educate others. Julia would like to thank Ms. Manal Roumani for instilling her love of computer science and encouraging her to never give up on her aspirations.



**SHUBH GOYAL, SHE/HER**  
Shorewood High School

Shubh, a senior at Shorewood High School, loves computer programming and has taken AP Computer Science A. She has taken college courses in Java, calculus, discrete mathematics, data structures and algorithms. She volunteers at the Girls Who Code at UW-Milwaukee. She qualified for state level MathCounts contests in 6th, 7th and 8th grades. During 8th grade, she achieved a top ten finish in the state level MathCounts. Shubh has participated in the Young Scholars Program, a math summer camp at the University of Chicago, and the MathLy-Er summer camp. She has received multiple awards for her performance in AMC 10 and AMC 12 math contests. Shubh's research on The Impact of Social Media on Political Polarization was among top-10 submissions to Wisconsin-Upper Peninsula Michigan's Junior Science & Humanities Symposium that took place January, 2023.



**MEGAN GROW**  
Shoreland Lutheran High School

Megan, a senior at Shoreland Lutheran High School, has taken multiple computer science and engineering classes through Project Lead the Way and competed for four years as the captain and programmer of her all-female team in the VEX Robotics Competition. She has also served as an ambassador of her school's STEM and robotics programs to various donors and to area middle schools. She will be attending Wisconsin Lutheran College next fall to double major in Computer Science and Mathematics to pursue a career as a software engineer, where she plans to get involved with the VEX Robotics program at the collegiate level.



**BIANCA GRUNBAUM, SHE/HER**  
Whitefish Bay High School

Bianca, a sophomore at Whitefish Bay High School, became involved with coding as a middle schooler through UW-Milwaukee's Girls Who Code Chapter, where she learned HTML and Python. Bianca is currently taking AP Computer Science Principles and looks forward to expanding her knowledge with more computing classes, such as AP Computer Science Java. Beyond computer science, Bianca is a member of the Mock Trial team where she applies critical thinking skills such as a courtroom lawyer, in addition to playing on the Girls Golf Team. Bianca is passionate about behavioral science and would love to have a career that merges both computer science and psychology to make a positive impact on the world.



**ASTER HAYNES, THEY/THEM**  
Janesville Parker High School

Aster, a senior at Janesville Parker High School, discovered a passion for computer science after a career day in 8th grade. In sophomore year of high school, they learned JavaScript after taking AP Computer Science Java and passed the AP computer science exam with a 3 in 2020. In junior year, they took AP Computer Science Java AB through their school's PIE program. They are currently taking AP Computer Principles and prepping for the AP principles exam. They are a member of their school's computer club and are a competitor and volunteer time-keeper in competitions. Aster plans to major in computer science, and minor in their other passions; art and music to learn better how to fix world issues through coding.





# AFFILIATE WINNERS



**BERIT HENDERSON, SHE/HER**  
Cedarburg High School

Berit has been involved in computer science all throughout her high school years, taking a specific interest in coding. One of her favorite accomplishments in the computer science world was making it to state with her CyberPatriot team for cybersecurity. After graduation she plans to continue her studies at Northern Michigan University as a part of the class of 2027. Berit plans to major in computer science with a minor in French, and she hopes to use the skills she learns to explore more pathways in the aerospace industry and build a team to advance our knowledge of the universe around us.



**ALENA HER, SHE/HER**  
Menomonee Falls High School

Alena, a junior at Menomonee Falls High School, has been interested in computer science and engineering since 6th grade. Her first STEM-related class was scratch. Since then, she has taken many opportunities within computer science classes and programs. She has been involved with SheHacks, Lego Robotics, Girls Who Code, Arduino, and Unity. She's created several websites and games. She is also a certified Microsoft office specialist. Currently, she is taking AP Computer Science Principles. She also intends to take Cybersecurity and Advanced Programming in the near future. She wants to continue her journey with computer science and gain more skills further on. Alena plans to go to the University of Massachusetts Institute of Technology (MIT) to pursue a career in Information Technology and Programming.



**TAYLOR HOLBROOK, SHE/HER**  
Whitefish Bay High School

From a young age, Taylor has always been interested in computers and technology. She would always download apps as a kid that taught her how to code and to expand her knowledge. Now, Taylor is a proud member of her school's coding club. She has gotten second place, with her team, in the MKE Reverse Pitch Competition. Additionally, in her free time, she is a part of a club, which is involved in CyberSecurity and competitions involving CyberSecurity. Furthermore, she plays varsity soccer and is an inclusion leader of her school's Investment Club. Taylor plans on attending the Carlson Business Program at the Minnesota Twin Cities College and joining coding clubs and communities along the way.



**POETRY HOWELL, THEY/THEM**  
Port Washington High School

Poetry, a Junior at Port Washington High School, has been in love with computer science since their very first programming class in summer school. From there, they've completed several classes learning to code in JavaScript, Python, HTML, and C++, as well as studied more in-depth computer science principles. They aspire to continue taking classes in computer science to absorb more concepts from different coding languages to cybersecurity. In the future, they plan to go to college to further their education on the different aspects of computer science and enjoy a career in the field of technology.



**GIOVANNA IOSSO, SHE/HER**  
Middleton High School

Giovanna, a senior at Middleton High School, only recently became interested in programming after taking AP Computer Science A. Now she currently tutors this class, and is taking a game design class, creating a game focusing on the effects of global warming. Her teacher Mrs. Hunt has been the biggest inspiration to her, and has sparked a passion for problem solving through programming in her. Giovanna plans to study Game Design in college to be able to create more accessible games for children and adults with autism.



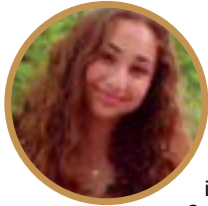
**SKYE JOHNSON, SHE/HER**  
New Berlin West Middle/High School

Skye, a freshman at New Berlin West Middle/High School, has always been interested in programming and took her first class at summer school in fifth grade. Since then, she has taken two programming classes in seventh and ninth grade. Apart from computer science, she is involved in Theater, French Club, and Track. She is even on her school's first girl's wrestling team. She has been a dedicated member of the team, even through injuries. Throughout the rest of her high school career, she hopes to become a role model for other girls who are getting into computer science. Skye plans on continuing her path in STEM and computer science through college.





# AFFILIATE WINNERS



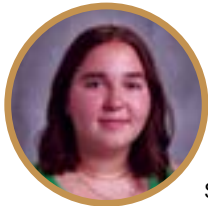
**NATALIE KHMELEVSKY, SHE/HER**  
Cedarburg High School

Natalie is a junior at Cedarburg High School in Cedarburg, Wisconsin. She long had an interest in Computer Science and was able to take AP Computer Science Principles this year, which she has enjoyed greatly, especially using her problem-solving skills in a new way. She continues to volunteer at the Bulldog Coding Club, which aims to encourage children at a young age to become involved in computer science. As a girl in STEM herself, Natalie finds great joy in building up confidence in young girls to pursue STEM fields. In addition, Natalie actively competes on the school's math team, and tutors Algebra and Geometry students. She is planning to pursue a career that combines her passion for problem-solving and STEM.



**MICAH KIECKHEFER, SHE/HER**  
Cedarburg High School

Micah is a sophomore who has always been interested in how everything works, especially computers and video games. She participated in First Lego League in middle school and is currently in Coding Club. She has various computer science classes like AP-CSP, and plans to take AP-CSA and AP Calculus BC next year. She is a dedicated figure skater and plays many instruments, such as piano and guitar. As her mother is a doctor, she has had an interest in the medical field since she was little. She is participating in a youth apprenticeship as a medical assistant next year and would like to become an MD in either emergency medicine or radiology, while researching innovations to current medical treatment.



**LAUREN KNUDSEN, SHE/HER**  
Oconomowoc High School

Lauren, a Senior at Oconomowoc High School, has been a computer science student for 3 years. She first discovered her love for coding in a Coding Club she was a part of during elementary school. Lauren is currently taking classes in cyber security at her local technical college. She has earned her IT Specialist Certification and plans on pursuing a career in either Cyber Security or Software Engineering. In the future Lauren would like to help increase the number of women in STEM fields by encouraging others to pursue their interests in all STEM related areas.



**PENELOPE KRASTEVA, SHE/HER**  
Whitefish Bay High School

Penelope spent much of her high school career studying computer science and is interested in exploring computing as a creative medium using game design. In her opinion, video games are an intersection of many other types of art such as film, visual design, music, and literature, and she has great faith in the storytelling potential of computing. Penelope took AP Computer Science Principles during her junior year of high school and AP CS Java during her senior year. She plans on continuing by pursuing a CS degree in college, and aims to have a career in game design in the future.



**LILY KRIEDEL, SHE/HER**  
Whitefish Bay High School

Lily is an 11th grader with a desire to learn how to use computing to develop innovative technologies that will impact disease diagnosis and treatment. She has had an interest in becoming a physician since she was a small child, but has learned that she can have a greater impact in the medical field as a physician-scientist. Throughout middle school she participated in activities such as coding, robotics, and Destination Imagination. She is currently taking AP science and math courses, volunteers with St. Luke's Medical Center, is a member of her school cross country and track team, and enjoys painting and architectural design. Lily plans to attend a science-focused university and then apply to an MD/PhD program, which would allow her to make innovations in imaging while helping patients as a radiologist or cardiovascular surgeon. Though she still has a lot to learn she feels that this career would blend her interests in math, science, coding, and healthcare.



**SYDNEY KUHNZ, SHE/HER**  
New Berlin Eisenhower Middle/High School

Sydney, a junior attending New Berlin Eisenhower, enthusiastically continues to grow her computer science portfolio. Along with finishing a semester of Data Structures, a course issued by UW Marquette, Sydney has busied herself over the years with classes such as Web Development, Game Design, AP Computer Science Principles, and AP Computer Science A. During Summer of 2022 she attended the Girls Who Code Summer Immersion Program. It was during those two weeks of classes that she met the most amazing people, finding that her passion was to collaborate and share the joys of technology with as many people as possible. Closing the digital divide, adding diversity to the field, and spreading her love of coding is what she aspires to continue accomplishing.





# AFFILIATE WINNERS



**ALEX LANGE, SHE/HER**  
Mukwanago High School

Alex is a senior in high school who likes to make a positive difference. She enjoys computer programming, dance, and volunteering. Alex has been a part of several clubs and sports including Student Government, Varsity Dance, IT Academy, Global Certificate, SAVE, National Honors Society, Key Club, and International Club. She has taken Intro to Computer Programming and Graphic Design I, and this year she is taking Web Design I. Alex plans to continue computer classes through the IT Academy. She hopes to become either an app/website designer or a computer programmer, and plans on attending college. Alex is someone who people go to for advice on technology as she is willing to help and loves to solve problems. Her favorite computer projects include coding, designing, and debugging/solving problems.



**LAUREN LANNING, SHE/HER**  
Cedarburg High School

Lauren is a junior at Cedarburg High School who took her first coding class her freshman year. She took block based programming because she thought it sounded interesting and fun and loved it. She then took text based programming her sophomore year, which was one of her favorite classes because she loved the java programming environment. She is currently enrolled in AP Computer Science Principles and is enjoying its fun challenges. She also hopes to pursue computer science in college and beyond.



**MARGARET LEHMAN, SHE/HER**  
Wauwatosa West High School

Margaret is a computer science student at Wauwatosa West High School. She decided to take her first computer course as a freshman because coding was something that always seemed cool to be able to do. Since then, she has learned and loved the problem-solving, teamwork, and logical thinking that is required when coding. She is currently enrolled in AP Computer Science Principles and is the only girl in her class. In the future, she would love to see more women not only in this field but all STEM fields. She thinks it would be interesting to learn or just see advancements in technology that are centered around advancing healthcare and more specifically, women's health.



**ALLISON LOVRINE, SHE/HER**  
New Berlin West Middle/High School

Hello! This is Allison, a programmer, artist, video gamer, and funny person. The best way she can describe how she got here was by doing Hour of Code while being a virtual learner in 2020, and in the fall of 2021, joining her school's First Robotics Challenge team, 5148. While starting robotics, she was taking programming classes, learning Java and Python. Soon after, she discovered her school's game design course, where she picked up her pen and began to draw again. Alli dreams of becoming accepted into MATC's Animation and Computer Simulation and Gaming programs. She hopes to apply her degree to create games that inspire others, just like her childhood classics did for her.



**NITYA MADADI, SHE/HER**  
Brookfield Central High School

Nitya is a senior at Brookfield Central High School and has a passion for Computer Science. Her interest in the field began when she joined her FTC (First Tech Challenge) team in ninth grade. Ever since then, she has been working towards her passion by achieving certifications in programming languages, utilizing her knowledge to work with professionals on projects related to her field, and mentoring an FLL (First Lego League) team in all aspects of the FIRST (For Inspiration & Recognition in Science & Technology) program. She hopes to expand her knowledge to the areas of Artificial Intelligence & Machine Learning as she plans to major in Computer Science in College.



**GENEVIEVE MALLIN, SHE/HER**  
Waukegan High School

Genevieve, a senior, first explored computing and technology in her middle school's coding club. Since then, she has taken classes in computational thinking, game design, programming in Java, and IT. These courses, coupled with her involvement in her school's band and orchestra programs, sparked her curiosity about how music and technology relate to one another. She enjoys learning about music notation and composition software, digital audio workstations, and sound equipment like microphones, amplifiers, and pickups. After she graduates high school, Genevieve plans to study Audio Engineering Technology and pursue a career in designing audio electronics.



# AFFILIATE WINNERS



**MARIIA MAMAIEVA, SHE/HER**  
Cedarburg High School

Mariia Mamaieva, a senior at Cedarburg High School has been around technology almost her entire life. When she moved from Ukraine to the United States, she got involved in technologies and coding, because a lot of new opportunities became open to her. In her junior year she took Block Based Coding and Text Based Programming, and now in her last year she decided to take AP Computer Science Principles, and she is really enjoying it. In college, she plans to study Game Development to learn how to create and develop games and become a part of the technology world. She is also really interested in art and excited to connect her passion with game design.



**JULIETTE MANDELBROT, SHE/HER**  
Middleton High School

Juliette, a junior at Middleton, is the Vice-President and Outreach Captain of the CODECS Club (Cardinal Outreach Diversity Education Computer Science), the Vice-President of the STEM Club, and a member of the Computer Science Club. She took Intro to Computer Science her freshman year, will take AP Computer Science next year, and has further expanded her coding knowledge through clubs and individual exploration, learning JavaScript and Python. In CodeCS, she is in charge of communication and leads free coding sessions to reach underrepresented kids. During the six lessons in each session, members of the club teach Python and the importance of diversity in the computer science field. Juliette knows that computer science will play an essential role in her future.



**PUNITHA MANNE, SHE/HER**  
Middleton High School

Punitha, a sophomore at Middleton High School, has an immense interest in STEM. She has been involved with coding and programming since she was in middle school. She has learned a tremendous amount of coding through GE Healthcare's girls summer programs. She even has helped out as a mentor in that program. Punitha has taken several programming classes such as computer programming and AP Computer Science A. She has learned to program in both Java and Python. When Punitha entered high school she was a part of a club called CodeCS that aimed to teach middle schoolers about the Python language. Punitha is involved in her school's Deca, Fbla, Hosa, CodeCS and Speech & Debate clubs. She aspires to pursue a degree in biotechnology or become a cardiothoracic surgeon.



**AUTUMN MARTIN, SHE/HER**  
New London High School

Autumn's interest in computers began as soon as she got her hands on one. Since the age of 10 she has beaten the game Hacknet many times, which teaches about computer science concepts and hacking. She has also had many technical accomplishments in her computer classes like creating games and with other programs using block code, python, javascript and java. She wants to attend a four-year university and major in computer science, computer programming, or cybersecurity. With the use of computers continuing to rise, her goal is to use her computer skills to help others, by developing technological advancements and creating a safer cyber society.



**ELOISE MASSEE, SHE/HER**  
Bay Port High School

Eloise is a senior at Bay Port High School in Green Bay, WI. After tutoring ELL seniors during her freshman year to ensure they met math graduation requirements, she founded and currently leads Bay Port Tutoring Connections--Bay Port's first and only entirely student-operated and advised organization--to more effectively connect all students with personalized academic support following virtual learning. She has been a four-year member of varsity cross country, wind ensemble (the top audition band), and an international qualifier in DECA. In addition she has maintained High Honor roll every semester, will be the co-valedictorain, was awarded AP Scholar with Distinction, and self-advocated to take independent study computer science classes. She will be attending the University of Wisconsin-Madison to study mathematics and political science with hopes of going to law school. In her free time, she enjoys working as a barista, volunteering as a math tutor, and backpacking the beautiful Wisconsin backcountry.



**EIMAN MIR, SHE/HER**  
Brookfield East High School

Eiman is a junior at Brookfield East High School. She has been interested in Computer Programming for a few years, and she took AP Computer Science last year. Along the way, her experience taught her a lot and reinforced her passion for studying Computer Science. Eiman also leads her school's Computer Science National Honors Society, HOSA club, and Muslim Student Association. In the future, Eiman hopes to double major in Biomedical Science and Computer Science. Overall, Eiman is hardworking and driven. Her background in art adds a creative flair to her technical skills and problem-solving abilities.





# AFFILIATE WINNERS



**ELISE MUCKER, SHE/HER**  
Ronald Reagan High School

Elise, a sophomore in high school, has a love for technology that she gets from her father. She's a great problem solver, likes to help others, and always takes the initiative. She has always had a passion for learning and she plans on using that to become a software engineer. To help prepare for that, she's learning python in an Intro to Computer Science class offered at her school as well as working hard to maintain a 4.0 GPA.



**MANUSHRI MUTHUKUMARAN, SHE/HER**  
Middleton High School

Manushri, a junior at Middleton High School, is passionate about computer science. She first discovered her interest in computer science in AP Computer Science Principles. From there, she continued to explore computer science by programming in Python. Manushri is also the Vice President of the CODECS Club. The club aims to increase diversity in the STEM Field by teaching under-represented minority students how to program in Python. She is also a Deep Learning Trainee at SureStart where she is learning to work with machine learning models and solve societal problems using AI. In the future, she is planning to major in Computer Engineering. She also hopes to work with computer science, specifically AI, to make an impact in her community.



**GRACE NGUYEN, SHE/HER**  
Pulaski High School

Grace, a senior at Pulaski High School, is a passionate, empathetic student. She enjoys working with technology and is always learning new things. She has taken many of her high school's technology education classes including Introduction to Engineering, CISCO IT Hardware, Graphic Communications, Raider Graphics LAB class, Architecture, and CAD. She has always had a passion for technology and computer science and loves to take opportunities to learn more. Grace is also involved in many extra-curriculars. She especially enjoys her time in her school's music programs because it allows creativity. In the future she would like to be able to combine her creative passions with her passion for technology.



**ANNA NIEZWAAG, SHE/HER**  
Kettle Moraine High School of Health Services

Anna is a senior at Kettle Moraine High School of Health Sciences in Wales, Wisconsin. She is a National Merit Commended Scholar, a four-year Dick Ohm recipient, president of the Key Club, and captain of her varsity soccer team. Anna has always had a passion for STEM throughout her high school career, and she has headed multiple projects that have promoted STEM engagement to young students, especially girls. Next year, Anna plans to major in MateRails and Aeronautical Engineering and minor in Computer Science at Georgia Institute of Technology, emphasizing her education on the development of sustainable, but efficient mateRails. After college, she plans to be a leader in the transportation industry, developing next-generation vehicle systems.



**CAROLINE O'LEARY, SHE/HER**  
Cedarburg High School

Carly is a senior at Cedarburg High School where she is a part of many different clubs and activities. Carly is the captain of the girls varsity tennis team, she is on National Honor Society, Coding Club, International Club and more. She works at Mathnasium, which is a math tutoring center for kids. She helps students in grades 1st-10th with various math concepts. Carly is also very active in her community where she helps the coding club at elementary schools, tutors Algebra 1 students, helps in soup kitchens, and various activities around her church. When Carly graduates, she hopes to be a teacher. She believes her role is to help our future generations through the power of teaching.



**SHAYLA PAVELCHIK, SHE/HER**  
Greendale High School

Shayla is a freshman at Greendale High School, enjoys playing her alto sax in her school's marching band, Wind Ensemble, and jazz band, is a Student Council class officer, and swims on the varsity swim team. She is currently taking AP Computer Science Principles and has participated in coding camps the last two summers learning JavaScript, HTML, CSS, Python, and SQL. She is very involved with her FIRST Robotics Team 20256 Storm and enjoys volunteering - logging in 135-hours last year. Shayla also creates digital art and designed the logo for Team Storm. She has participated in meetings at the State Capital twice campaigning for additional STEM funding. Shayla's goals are to always lead with kindness, college, and additional experience.



# AFFILIATE WINNERS



**KALEY PETERSON, SHE/HER**  
Hortonville High School

Through being inspired by joining Girls Who Code in middle school, Kaley has become interested in using technology in science to help identify and develop treatments for different diseases and other issues. She determined she would like to take this route by taking AP Computer Science Principles in her sophomore year, taking classes through Girls Who Code over the summer, one of which focusing on cybersecurity, and participating in an IT internship in the summer of 2022.



**GEORGIA RIDGEWAY, SHE/HER**  
Destinations Career Academy of Wisconsin

Georgia, a senior at Destinations Career Academy, sees herself as a creative problem solver. In her free time, she enjoys programming and creating digital art. Although she always enjoyed technology, her interest in computer science started in middle school after attending a summer STEM program. A few years ago, she started learning Python in her free time, and now aspires to be a programmer. She helps lead various clubs and is the founding member of her school's Computer Club. Georgia has also taken computer science courses like AP Computer Science A, Programming Logic and Design, and Cyber Security. Next fall, she is looking forward to starting her computer science degree and hopes to work on projects that contribute to research.



**BREANNA ROLLMANN, SHE/HER**  
New Berlin West Middle/High School

Breanna, a sophomore attending New Berlin West, prioritizes her schoolwork and takes pride in her outstanding academic achievement and ability to tackle difficult classes. Her passion resides in the STEM field, foreign language, and psychology, which she plans to pursue after graduation at a nearby college in the University of Wisconsin System. Computers and technology have always inhabited a special place in her heart; she grew fond of gaming and coding as soon as she could type. In the seventh grade, the availability of computer science-related classes increased, further developing her devotion to the subject. Coding engaging projects, something she enjoys doing in her AP Computer Science A class, is an essential part of her life that she'd love to continue.



**NORA SCHRAEDER, SHE/HER**  
Cedarburg High School

A 9th grader at Cedarburg High School, Nora is continuing her passion for STEM in AP Computer Science Principles, in the coding club, and as a coder for First Robotics Competition. After joining her middle school coding club, Nora noticed a lack of female representation in STEM. She made it a priority to help inspire other young women to follow their path by volunteering with her robotics team and coding club at elementary schools, science fairs, and community events. Nora's future includes college to deepen her understanding of STEM. She has always dreamed of working for NASA and building the robots that explore our universe. Nora also participates on the track team, Global Scholars, French Club, and Tequity Club.



**KENDAL SCHREIBER, SHE/HER**  
Mukwonago High School

Kendal, a senior at Mukwonago, has a passion for computer programming. She has taken Intro to Computer Programming, AP Computer Science Principles, and is currently enrolled in AP Computer Science A. Kendal is an active member in the IT Academy, submerging herself into every opportunity there is to offer. Through this, Kendal is an intern at the Mukwonago Community Library's makerspace, MetaSpace 511. Here, she designs and runs programs of all variations (including LEGO club, Kids Who Code, Tech Tutor, and more), therefore working with community members of all ages. Kendal, a past AIC Awardee, will continue to pursue her passions at UW-Madison, where she will be double majoring in Computer Science and Percussion Performance.



**EVA SCHROEDER, SHE/HER**  
Janesville Parker High School

Eva is a junior and was previously an honorable mention for the Aspirations in Computing award. She is a member of her school's Science and Spanish National Honor Societies, as well as the Student Leadership Council. Eva assists the freshmen at her school as a LINK leader and enjoys participating in various activities outside school, including vocal and piano performances. She is a captain of her school's dance team and participates in a number of volunteer and service projects in her community. Eva has taken computer programming classes throughout high school and competes in programming competitions as a computer club member. She is grateful to receive this award and looks forward to further exploring her interest in technology in the coming years.





# AFFILIATE WINNERS



**RACHEL SCHULZ, SHE/HER**  
New Berlin West Middle/High School

Rachel is a 12th grade student at New Berlin West High/Middle School in Wisconsin. She is the president of the New Berlin Blitz robotics team. She is also a member of the National Honors Society, and a varsity athlete in Swim & Dive and Track & Field. She is an accomplished AP student, enrolled in courses including AP Physics C: Mechanics, AP Calculus BC, AP Statistics, as well as AP Physics II. One of her favorite accomplishments is achieving a position as an electrical intern in 2022 at UNISIG: Deep Hole Drilling Machines & Systems. She was the only person under 18 and the only woman in her department. Rachel plans to attend a university for Engineering in the fall.



**JOSIE SENGER, SHE/HER**  
New Berlin West Middle/High School

Josie is currently a 12th grade student attending New Berlin West High School in Wisconsin. She is a member of the National Honors Society and French Honors Society, and is a varsity athlete of both volleyball and softball. Josie is an accomplished AP student who has previously taken AP Physics 1, and is currently enrolled in AP Calculus AB and AP Physics 2. Her favorite STEM activity so far has been the creation of architectural designs of sustainable buildings using computer programs such as Revit to develop models. Josie will be pursuing an engineering degree at a four-year college following graduation from high school.



**CHARLOTTE SIMMONS, SHE/HER**  
Janesville Parker High School

Charlotte (Charlie) Simmons is a Junior at Janesville Parker. She loves to collaborate and problem-solve with her peers to learn and grow. Charlie loves school, but her favorite courses are math, science, and computer science. Outside of school, she played varsity soccer, varsity basketball, and junior varsity volleyball. This year she has participated as an SLC (Student Leadership Council) member, a Deca member, School Store Manager, Science National Honor Society, and participated in her school's TC Adv Computer Science course. In 2021, 2022, and now 2023, she has won Wisconsin Regional Affiliate. As a junior, she looks forward to learning new ways to serve the Viking Community.



**EMMA SNOW, SHE/HER**  
Cedarburg High School

Emma started her coding and engineering career her freshman year at Cedarburg High School. She has taken multiple coding classes and is part of the Cedarburg High School Robotics Team. She won Rookie of the Year Award for robotics, two academic letters for her time spent on the robotics team, and has won Honorable mention for NCWIT in the past. In the last competitive season, Emma's Robotics Team won the Chairman's Award for their region and placed as a Semifinalist in their division. Emma has also added onto her engineering knowledge by developing robots in her own personal projects working on the design, manufacturing, and code of the machine. In the future, Emma would like to attend the U.S. Air Force Academy to further her understanding of aerospace mechanics to hopefully become a future aerospace engineer.



**CHELSEA STUBBE, SHE/HER**  
Manitowoc Lincoln High School

Chelsea, a senior at Manitowoc Lincoln, is very interested in website development and design. Her computer science journey started in eighth grade, making apps and other small programs and games. Ever since then, programming has been her favorite subject. She is in the "College Here and Now Program" at Manitowoc Lincoln taking Lakeshore Technical College courses to become a Web Development Specialist. She will finish the program next year while attending LTC. She hasn't had many large technical achievements yet, but the small things she does add up. From helping her teacher debug her classmates' websites, to giving her classmates cool and funny ideas, Chelsea is always trying to help those around her become better at what she loves.



**ATIFA TARIQ, SHE/HER**  
Oak Creek High School

Atifa became interested in computer science after completing a technology course in her middle school. She began a few small Scratch tasks to advance her knowledge of coding and web page creation. In high school, she also enrolled in an Advanced Computer Science course, which piqued her interest in computing even more. She is now planning on going to Milwaukee School of Engineering to major in Computer Science. In the future she wants to work in cyber security to lessen the impact of cyber attacks on innocent people and make technology less of a threat and have it be seen as a step to the future to make lives easier and better.

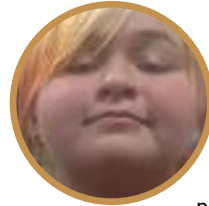


# AFFILIATE WINNERS



**MADISON ELLE TONGCO, SHE/HER**  
Lakeview Technology Academy

Madi, a sophomore at Lakeview Technology, is part of their math and environmental clubs. She also started a women empowerment club to create a safe and inclusive environment at her school. She enjoys running and playing the piano, and is a huge sports fan. Madi hopes to attend a four-year college and earn a graduate degree in the STEM field, later doing research involving bioinformatics in the medical field. Her favorite math theorem is the Chicken McNugget Theorem.



**ARSONIC WEBSTER-BARCZAK,**  
HE/VOID/NOR/WIRE, Homeschool

Arsonic is a 12th grade homeschooled student who most recently attended Whitewater. He is a hard working nonbinary person and has participated in multiple FIRST Robotics activities. Void gained an interest in stem during his 6th grade PLTW course. Arsonic has since won an award with his existing schools with FRC, one being for gracious professionalism. Aside from awards, Arsonic has taken multiple computer science classes as they have been available to him. Void will be working through and after high school to earn more work experience and gain life skills



**HANNAH ZIETLOW**  
Cedarburg High School

Hannah, a senior at Cedarburg, was encouraged by her math teacher freshman year to explore coding and computer science classes. Since then she has taken text-based coding, AP Computer Science Principles, AP Computer Science A, App Development, Data Structures through Marquette University, and has experience in Java and JavaScript. Hannah plans to pursue a career in computer science or software engineering in college. She is involved in her school's coding club, marching band, and jazz ensemble. Her future goals are to expand her knowledge of AI, computer languages, and game design. Hannah hopes to expand her knowledge in the computer science field for her future career.





# HONORABLE MENTIONS



**LAYLA AMERLING, SHE/HER**  
Waukesha Engineering Preparatory Academy

Layla, a freshman at the Waukesha South Engineering Preparatory Academy, was first introduced to computer science in 4th grade during a field trip. Ever since then, she has been fascinated with computer science and math, jumping at every opportunity to deepen her knowledge. In her free time, she loves to be involved in tech crew for her school's musical productions, as well as play softball. She is excited to further her coding skills in AP Computer Science Principles next year. Layla plans to follow a career in engineering or computer science.



**LIAM APONTE, HE/THEY**  
Audubon High School

Liam Aponte is a Sophomore at Audubon high school, in Milwaukee WI. Liam has been coding for a year and he really enjoys it. He has also been working on projects for Audubon's FIRST Robotics Team number 21748 dreaMKEepers. Liam also really enjoys art and robotics and spends a lot of their free time creating projects. He likes to make little animations and stories. In the future Liam wants to start a business involving robots to entertain people.



**LILA BIKSACKY, SHE/HER**  
Sun Prairie High School

Lila is a member of the graduating class of 2023 at Sun Prairie East High School located in Sun Prairie, WI. She is a four year member of the girl's high school Swim and Dive team. Lila has always loved many aspects of technology. She is a big fan of anime and video games. Lila desires a career in the video game industry. She aspires to become a game designer or programmer. After gaining experience through various AP classes offered through her school as well as other programs like Girls Who Code, Lila has given it her all to further her knowledge. She will be attending the University of Wisconsin-Stout in the Fall 2023 with plans to major in computer science.



**SIENA CARLI, SHE/THEY**  
Cedarburg High School

Siena is a sophomore at Cedarburg High School. Her interest in coding started in 3rd grade with a block based coding program, making a character jump on screen. In middle school, Siena attended Girls Who Code events and took various Project Lead the Way and Robotics classes. Now in her second year at CHS, Siena is taking physical computing and engineering classes. As an upperclassman, she is planning on taking AP Computer Science A, App Development, and Cyber Security in the next few years; anticipating a college major in Computer Science. Siena is a member of Coding Club, French Club, and Culture and Diversity Club; and aspires to make coding more inclusive. When not coding, Siena is an accomplished pianist and competes as a member of the Milwaukee Rowing Club.



**DAYNA CARLSON, SHE/HER**  
Whitewater High School

Dayna is a high school senior and has been taking computer science classes since her sophomore year. She didn't truly take full interest in the subject until she attended a programming competition at Marquette University during her junior year. Her favorite project she's worked on is a browser database for a programming class during junior year. She is involved in many clubs and activities, such as tennis, French club, the computer programming team, and the robotics team. She is also the vice president of Key Club and the treasurer of the French Honors Society. Dayna plans to attend UW-Madison, where she will major in computer science. She is very excited to continue her education in this field and can't wait to see what kinds of projects she will be able to work on.



**ABIGAIL CHEN, SHE/HER**  
Cedarburg High School

Abigail is a sophomore at Cedarburg High School. She has been participating in the FIRST program since 6th grade, and continues in the FRC team, The Hexhounds. She is currently taking AP CSA at CHS and is applying to take Data Structures - COSC 2100 at Marquette University next year. Abigail also loves to play music, participating in the CHS jazz band as the pianist. She enjoys all her coding classes, and hopes to achieve and learn more in the future.





# HONORABLE MENTIONS



**SELINA CHHANTYAL, SHE/HER**  
Whitefish Bay High School

Selina's greatest technical accomplishment is pursuing computer science as a first-generation student and creating a movie recommendation app. She first became interested in this field as a sophomore in high school and has since then taken computer concepts, AP Computer Science Principles, and AP Computer Science A. One problem she would like to tackle is the lack of educational resources in marginalized communities. Her future plans are to attend university and implement her knowledge in technology to help spread easier access to education to students around the world.



**CLAIRE DAVIS, SHE/HER**  
Wauwatosa West High School

Claire is a 16 year old junior at Tosa West. She is involved in her school's Mock TRail team as well as a leader in her school's Yearbook Committee and a member of her school's Link Crew; a program to help incoming freshmen acclimate into their new environment. Claire is also a state champion for We The People; a competition in the style of a mock congressional hearing with concepts based in the Constitution, philosophy, civil rights, history, and current events.



**VIVIAN DINH, SHE/HER**  
New Berlin West Middle/High School

Vivian, a sophomore, is an extremely passionate student in computer science. She is currently taking AP Computer Science A and plans to exhaust her school's computer science courses. She passed AP Computer Science Principles with a 5 in her freshman year. She has also taken dual enrollment Python classes at WCTC. She enjoys Java, Python, and HTML/CSS. Outside of computer science, Vivian is the co-captain of her school's Academic Decathlon team and the Vice President of Competitions of her school's DECA chapter. She is also in Math Honors' Society, Student Ambassador Leadership Union, and the yearbook club. In the future, she would love to continue working with technology and hopes to make a substantial contribution to technology that could help make it more accessible to others.



**SAJA ELSHAREF, SHE/HER**  
Oak Creek High School

Saja has always been interested in coding ever since she first started attending Girls Who Code programs in the fifth grade. She took robotics and coding related courses in high school, including Intro to Robotics and AP Computer Science Principles. She would like to use her knowledge of computer science to go into biomedical engineering. She believes in making computer science, and even engineering as a whole, a path that is pursued and accessible by both males and females equally.



**SANA ELSHAREF, SHE/HER**  
Oak Creek High School

Sana, a junior at Oak Creek, has been a part of multiple Girls Who Code programs over the years at UW-Milwaukee, where she learned some Python, as well as C++ for an Arduino class. She has taken computer science related courses at her school, and is interested in pursuing a career in engineering. She feels that it's important to use her computer science skills in the real world and represent women in the field of engineering. She believes that it is important to bring girls together to use their knowledge about computer science to make a positive impact on their community.



**KIERA GEELEHER, SHE/HER**  
Kettle Moraine High School

Kiera is a sophomore attending Kettle Moraine. Her interest in computer science began after taking classes in sixth and eighth grade. Continuing her passion in high school, she took AP Computer Science Principles as well as other computer science classes and plans to take AP Computer Science A next year. She is involved in various school activities such as soccer, Student Council, Spanish Club, and Key Club. She enjoys creating fun projects using technology. Her goal is to pursue a career in software engineering after going to a four-year college.





# HONORABLE MENTIONS



**SARAH GLEED, SHE/HER**  
Cedarburg High School

Sarah Gleed has been coding since she was in elementary school. She was in coding club in elementary school and in middle school. In her sophomore year, she created a small game, in which she created her own animations. In her sophomore year she took block and text code classes. In her current year, she is taking AP Computer Science Principles and Game Design. Sarah wants to major in Computer Science when she goes to college. Sarah loves to design and create games, solve problems, and help people when it comes to coding.



**CLAIRE GOELDNER, SHE/HER**  
Rural Virtual Academy

Claire is a driven high school student interested in many fields, including math and art, but she particularly enjoys programming. She has created various projects, including text and web-based games, specialized calculators, small business websites, and Google application extensions. As a high school student, Claire is currently attending technical college for software development. She is studying topics including the proper ways to store data and how to model the structure of a program visually. As for her career, she has yet to decide what she will go into. She is currently completing an apprenticeship as a personal banker, and she may continue in finance, potentially in combination with software. Any way she goes, though, she expects to use her knowledge of computers to impact the world.



**LAUREN GROESCHEL, SHE/HER**  
New Berlin West Middle/High School

As a freshman at New Berlin West, Lauren has already focused her education on science and technology. She has taken several engineering and computer programming classes at her school and is participating in her school's FIRST Robotics team on the programming subteam for the third year. She is grateful to all her teachers and mentors who have inspired her to pursue a career in technology. Lauren also has taken many years of piano lessons and is excited to be in her school's Chamber Orchestra next year for violin. She is also interested in aviation, aerospace engineering, and astronomy, and is eager to learn more about all of these fields.



**MIRAIM HART, SHE/HER**  
Cedarburg High School

Mimi is a sophomore at Cedarburg High School. She is currently in AP Computer Science and plans to take more coding classes in the future. Mimi first became interested in coding in middle school when she did a Girls Who Code program. Her favorite part about coding is the problem solving aspect of it. Outside of school Mimi participates in Student Council, Spanish Club, basketball, Environmental Club, and Math Team. In the future Mimi plans to attend college and possibly minor in computer science.



**CAROLINE HENZIG, SHE/HER**  
Wauwatosa West High School

Caroline is a sophomore at Wauwatosa West and is currently taking AP Computer Science. She took Exploring Computer Science her freshman year which extended her interest in the field of technology. She enjoys being able to utilize a skill that applies both logic and creativity to solve problems. She is in her Girls in STEM club at school. They also play cello and enjoy reading and writing. She is hoping to continue using computer science skills in college.



**SOPHIA HEUSS, SHE/HER**  
Menomonee Falls High School

Sophia is an aspiring young woman that dreams of traveling and exploring the world of technology. She has taken several computing classes throughout her high school career and she plans on attending a 4 year college with classes based around technology, cybersecurity, and coding. She is very inspired by other women in STEM and dreams to one day have that same effect on other girls interested in pursuing the STEM field. In the future, Sophia wants to study code and the huge effects that technology has on the world. She is always striving for the best and will succeed with her positive attitude and perseverance.



# HONORABLE MENTIONS



**ACE HUDEC, THEY/THEM**  
Whitewater High School

Ace is an artist who is also pursuing programming. They mostly do game development but they are also a programmer on the FIRST robotics team at their school. They've been doing programming since elementary school and hope to turn their skills into a career in game development. Right now they mainly know Python but they're also learning Java and Lua. Even though they've been learning programming for a while, they have only recently been developing tester games, but they hope to finish a game they've been slowly working on and work towards developing games in other engines. One of their goals is to learn Blender and Unity, so they can animate on top of developing games in a good engine.



**CHLOE HYATT, SHE/HER**  
Greendale High School

Chloe has always had a passion for math and science and a love of computers. From keyboard shortcuts to programming languages, she has always wanted to learn more. Now a junior at Greendale High School, she has been able to use and grow her skills in various computer science classes. She is currently taking AP Computer Science Principles and is excited to partake in an IT Dual Enrollment program next year. In her free time, Chloe enjoys playing video games, reading, and playing piano and flute. Her future plans include going to college and majoring in some form of computer science so that she is prepared for when aliens invade. | - . . . . - - | - . . . . | - . . . . - . . . . - . . . .



**JASMIN KRAUS, SHE/THEY**  
Cedarburg High School

Jasmin is a junior at Cedarburg high school. Inspired by the world of creativity and coding they aspire to continue making video game design and drawing animations. Their achievements include drawing and producing art and small video games using JavaScript. Jasmin has taken several computer science classes at Cedarburg high school, including Intro to block based programming, Intro to text based programming and game design, and they aim to take app development in her senior year. In the future she is planning to go into a career in character design and animation, to further a career of inclusive content and creativity.



**KYLIE KWIATKOWSKI, SHE/HER**  
New Berlin Eisenhower Middle/High School

Kylie Kwiatkowski is a sophomore at New Berlin Eisenhower who has a passion for computer science, running, and musical theater. She discovered her computer science interest through a 7th grade technology wheel course and has since participated in STEM camps and field trips to fuel her interest. Now enrolled in AP Computer Science Principles, she aspires to continue her studies in the field and pursue a career in STEM and take additional computing and engineering courses. She also has supported other students' interests by mentoring others in a district fab lab during the district's STEM Camp. Inspired by the NCWIT mission to increase the meaningful participation of women in computing, she is learning more about Artificial Intelligence and its potential in the various sectors of the workforce.



**MEGAN LACKE, SHE/HER**  
Cedarburg High School

A Junior at Cedarburg, Megan is enjoying learning coding through block and text-based programming classes. She was first exposed to coding through her dad and in middle school when she learned basic code. Currently learning JavaScript, she will take AP Computer Science Principles and plans to pursue a related field in college. With a passion for problem-solving, Megan can imagine many ways to apply the skills she has and will learn to solve challenges and improve life for others through coding. She appreciates creativity, logic and the learning through tRail-and-error that comes with coding.



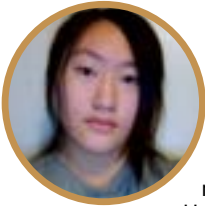
**OLIVIA LARSON**  
Janesville Parker High School

Olivia is a sophomore at Parker High School and has always been interested in computer science. This interest first began when she took a summer class at CareerTek where she learned how to code in python. She then took programming I and programming II her freshman year and competed in a programming competition at Marquette University. She is currently taking AP CS A and plans to take AP CS Principles next year to further her learning. While still uncertain, she plans on pursuing a degree in computer science or engineering.





# HONORABLE MENTIONS



**EDYN LEE**  
Hmong American Peace Academy

Edyn, a freshman at HAPA, is currently in an AP Computer Science class and wants to learn more about computer programming in the future. Her interest in computer science started when she was in elementary when she finally had the opportunity to pursue the pathway of computer science. Since Edyn uses technology everyday, she would love to explore and be included in this line of work. She loves to see animals and people benefiting thanks to advancement in medicine and entertainment provided by the web. She would like to continue exploring the field of technology and possibly help develop apps, games, and websites that can entertain people or help those in the medical field. Computer science is definitely one of her top career choices.



**ANNA LEVY, SHE/HER**  
Cedarburg High School

Anna, a junior at Cedarburg High School, was encouraged to get involved in computer science by her sister in college. Anna has a strong passion for computer science which she demonstrates in her AP computer science principle class. Several days each week, Anna volunteers at the elementary schools in her district to share her computer enthusiasm and skills by helping young students learn about computer science. Anna plans to attend a 4 year college where she would like to major in the health field, while incorporating computer science in her studies. Anna's goals in coding are to expand her creativity and logical thinking, and improve her problem solving skills.



**GRACE MACHATA**  
Cedarburg High School

Grace is a sophomore at Cedarburg high school. Grace likes to problem solve and learn different techniques and tricks. She is involved in many STEM classes this year, some that include PLTW: intro to engineering and design, Small engines and power tech, and Physical computing, where her group created a mini air hockey table. She is a part of the Cedarburg High School Robotics team, 3197. Last year, her team was fortunate to win the Chairman's award, the most prestigious award in FIRST, and to attend the FIRST World Championship in Houston. In robotics as well, Grace won the Rookie of the Year award, out of 3 freshmen.



**MAHIKA MAHAPATRA, SHE/HER**  
Sussex Hamilton High School

Mahika is a sophomore at Sussex Hamilton High School and was in a Computer Science class in freshman year and she enjoyed playing around with different types of codes and getting to learn about them. In the class she learned HTML and Arduino. She was also in an engineering PLTW class and enjoyed 3D printing & design. She is currently enrolled in a college introductory computer science course and is learning Java. She has volunteered for girls in STEM. She wishes to pursue a career in the STEM field.



**MANITA MAHAPATRA, SHE/HER**  
Sussex Hamilton High School

Manita is a sophomore at Sussex Hamilton High School. She took an engineering class, as well as an introductory computer science class freshman year and found the problem solving aspect of it interesting. She is currently taking AP Statistics at her high school and a Computer Programming class at UW-Milwaukee where she is learning Java. She is also planning on taking other classes in the STEM field in the next year, such as AP Biology and AP Physics. In the future, she sees herself working in the STEM field and is leaning towards Computer Science or Software Programming. Manita also likes running during her free time and runs in the cross country and track team for her high school.

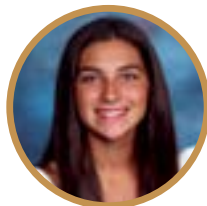


**ANNA MEULER, SHE/HER**  
Cedarburg High School

Anna, a freshman at Cedarburg High School, was presented an honorable mention award. She was first introduced to coding in 5th grade when the high school coding club came to her elementary school to run a coding class. Since then, she has participated in various Hour of Code activities. She also completed AP Computer Science Principles last year and is currently taking AP Computer Science A. Anna is involved in school activities such as the swim and dive team, the drama club, best buddies, and is a member of the student council. One of her goals for the future is to go to college to major in either nursing or computer science.



# HONORABLE MENTIONS



**LAUREN O'LEARY, SHE/HER**  
Cedarburg High School

Lauren is a junior in high school, and first began her interest in computer science in 5th grade, in an after school coding club. Now, she helps volunteer with that coding club, teaching elementary school kids the basics of code using micro bits. Lauren is currently taking an AP computer science principles class, and enrolled in a physical computing class for next year. She plans on attending college, exploring health and technology for the future.



**ELIANA PEACH, SHE/HER**  
New London High School

Eliana is a junior at New London High School. She is an advanced placement student, having a particular love for higher math. Some of Eliana's accomplishments include earning a perfect score on her college level precalculus final and achieving honor roll throughout high school. Eliana's aspirations for the future include working in information technology and possibly cyber security. She wants to attend a technical college and then a four year college for a degree in programming or networking. Currently, Eliana's favorite part of working with technology is coding, and she has worked with Snap! and Code.org.



**ELISE PLAGGEMEYER, SHE/HER**  
Sauk Prairie High School

Elise has been interested in computing aspects for school. She jumped right into AP CSP freshman year and has really grown in her knowledge since the beginning. She aspires and is determined to get a feel and further her passion in computer sciences. Elise likes to play sports along with her studies, and has managed her time well while juggling them both. Her current favorite subjects at the moment are of course, AP Computer Science Principles, and then math. Elise plans to go to college and intends to go for as long as needed to reach her goals. She aspires a lot in life and will go far.



**MADDY PRUETT, SHE/HER**  
Waukesha North High School

Maddy Pruett, a Sophomore at Waukesha North High School, has been in love with computer science since 6th grade. She has taken 4 programming classes at North, Programming for the Web 1, App Development 1, and Programming Java 1 and 2. Her first interaction with computer science was at a STEM summer camp she attended in 6th grade and fell in love. She plans on attending a 4 year College to further her education in computer science. She is involved in her school's marching band and is a member of the girl's tennis team.



**HOLLY RAETZ, SHE/HER**  
New Berlin West Middle/High School

Holly, a junior at New Berlin West High School, has been interested and involved in coding since 4th grade and is looking forward to expanding her knowledge in this field. She is following the career pathway of computing and technology because as seemingly limitless amounts of technology are introduced, it excites her to be a part of that ever-changing horizon, with multiple opportunities of specialization. She has taken multiple computer science classes during middle school and high school with an excellent instructor who has inspired her greatly. She is looking forward to finishing all the computer science classes offered at her school and hopefully taking on her second computer science related internship. She also enjoys playing the trumpet in Symphonic, Pep, Jazz, and Marching Band.



**MADALYN ROOYAKKERS, SHE/HER**  
Kimberly High School

Madalyn took both AP Computer Science Principles and AP Computer Science A, and is super excited to take Honors Computer Science Projects her senior year. She really enjoys using computer science to problem solve and to learn new techniques and tricks. By finding this interest, she has been able to apply her knowledge in many different areas of her life, as this field has taught her many valuable concepts and lessons about problem-solving and thinking outside of the box. She is involved in the computer science club at her high school and works to encourage other young women to explore this field. Madalyn intends to earn a minor in computer science at a 4-year university and further develop her skills in the field.





# HONORABLE MENTIONS



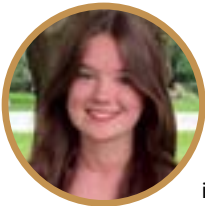
**DOLINA SALAZAR, THEY/THEM**  
Audubon High School

Dolina is in her second year of computer science classes at Audubon Technology and Communication High School in Milwaukee Wisconsin. She is currently taking Intro to Programming which is a class in which she is able to continue pursuing her artistic interests of creating animations and video games using the Python programming language. She enjoys engaging in the intersection of art and technology. Ever since Dolina was a small child, she has enjoyed art in its many forms. As she gets older, she is continuing to practice her artistry through digital art which she has found can be created for her personal use as well as marketed as a skill in the graphic design industry. Dolina hopes to continue her artistic journey and major in graphic design when she graduates from high school in 2025.



**KAITLYN SCHMIDT, SHE/HER**  
Kimberly High School

Kaitlyn is a sophomore at Kimberly High School. Kaitlyn first started to learn about computer science at Sunrise Elementary School. As she entered middle school at John R. Gerrits Middle School she began taking more computer science classes geared towards learning how to code in HTML and using simple robots. As a middle school student, she joined a robotics club to learn how robots worked and how to design robots for specific purposes. Her interest in computer science grew by taking computer science classes in high school. Kaitlyn has taken AP Computer Science Principles, Game Creation, and HTML Website Creation to figure out what sort of job she might want in the Information Technology work world.



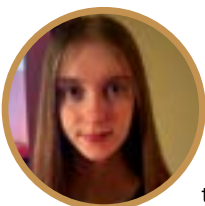
**CHLOE SCHNEIDER, SHE/HER**  
New Berlin West Middle/High School

Chloe is a freshman at New Berlin West High School. She became interested in programming in 7th grade when she took her first computer science class. She loved being able to find solutions to challenging problems through code. She then continued to take computer science classes for the next three years and plans to take AP Computer Science Applications next year. Chloe is also involved in DECA, Brookfield Bruisers Rugby, and Girls Who Code. In the future, she hopes to go to college at UW-Madison for Computer Sciences and get a job in the programming field, where she plans to create more opportunities for girls to learn how to code.



**JENNIFER SPENCER, SHE/HER**  
Cedarburg High School

Jennifer found her passion through YouTube. She watched lots of old employees at Google and Facebook on YouTube tell their experiences working at well known places in the coding space. Curiosity made her want to begin to figure out what they were doing. Today she wants to work in the same field since her life has been filled with technology and computer science her whole life so far. The enjoyment and happiness that comes when she codes is an indescribable amount. It is a gateway from the real world she never thought she needed till she found it.



**KATHERINE SPENCER, SHE/HER**  
Cedarburg High School

Katherine's interest in computing and technology sparked when she was around the age of 9. Since then she was always fascinated by the things you can create using it and how it improves our lives. Katherine loves to use technology in and out of school. Since she loves to help people she would like to go into a field of study with technology where you can develop games, websites, and apps to help people. She has been coding in her school classes and making programs in java. Technology will definitely be in her future career and she is so excited for the possibilities yet to come.

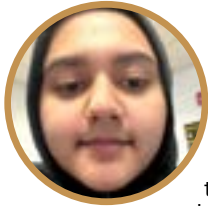


**ELLIE STOCKING, SHE/HER**  
Cedarburg High School

Ellie is a sophomore at Cedarburg High School. She has been interested in computer science ever since 4th grade, when a coding organization visited her school to give a presentation about all of the opportunities in the computer science field. Ellie's greatest technical accomplishment was creating a video game for her end of the year project in Intro to Text-Based Programming. She created a complex game with many screens and it was one of the hardest things she ever worked on in technology. She wants to continue to challenge herself by taking more courses in computer science and broadening her horizons in the world of technology.



# HONORABLE MENTIONS



**AMEERA SYED, SHE/HER**  
Franklin High School

Ameera is a junior who has developed a love for programming. Programming was first introduced to Ameera in 7th grade, STEM class, when her class was building robots and altering code.

Scratch also intrigued Ameera, along with her Intro to Programming class and Programming 1 class. Ameera has learned Python, Javascript, HTML, and CSS over the years and continues to be amazed by programming. Ameera has been creating a hangman game using Javascript, HTML, and CSS. In the future, Ameera would like to create a program that can be used by businesses to help keep track of inventory and better organize their company.



**SAFIA SYED, SHE/HER**  
New Berlin Eisenhower Middle/High School

Safia is a creative, technical, and curious individual who has participated in clubs such as DECA and made it to the State competition for the category of Business Administration. She aspires to join the computer science/engineering field. Her interest in computing and technology began because of her dad, whose job is in the computer science field and encouraged her to try it. So, she joined AP Computer Science Principles in her Freshmen year and she loved the class and computing. However, the class that she really enjoys is AP Computer Science A. This class gave her confidence in computing, and significantly added to her knowledge of computer science. She intends to major in computer science in college and create her own start-up in the future.



**NEVAEH TADYCH**  
Manitowoc Lincoln High School

Nevaeh, a senior at Lincoln high school, has been in computer science classes since 8th grade. Nevaeh has 2 jobs, one as a Housekeeper at The Cobblestone Hotel and the other as a Retail Associate at Tj Maxx. In her free time, Nevaeh loves to

bake, hangout with her friends and boyfriend, Evann, and go for walks with her dad, Jimmy, and dog, Oz. Nevaeh is enrolled in the college here-and-now program, working towards her degree in IT Web and Software Development. She plans to continue her computing education and finish her degree in IT Web and Software Development next year at Lakeshore Technical College. Nevaeh plans to continue with computer science throughout her life, and she would love to make it her career later in life.



**SIDRA TARIQ, SHE/HER**  
Oak Creek High School

Sidra is a junior in Oak Creek. Though she didn't have much access to it growing up, she was always interested in technology. Her fascination with computers and how they work has grown steadily since she immigrated to the United States. Sidra's interest for this area continues to develop as a result of her achievement in two advanced computer science courses. Sidra aspires to work in the field of computer science and make a contribution to the magnificent world of technology.



**EMILY TOTH, SHE/HER**  
Menomonee Falls High School

Emily is a senior at Menomonee Falls and has an ever growing passion for computer science. She was introduced to the topic in elementary school and has slowly become more involved in it. She has taken several computer science classes and plans

to take many more. Emily is going to continue learning more about computer science in college and hopefully end up pursuing a career in the field.



**PAIGE VONASTEN, SHE/HER**  
Sussex Hamilton High School

Paige VonAsten is a 9th grade student at Hamilton in Sussex, WI. She became a Microsoft Office Specialist (Associate) in January of this year. Paige intends to continue learning and becoming more skilled in technology and engineering. Her interest in technology started when she took a technology and engineering class in 6th grade. Aside from this, she is also learning German. Paige aspires to become an electrical or mechanical engineer. She earned a 3.58 GPA in her first semester of high school. When not at school, Paige enjoys reading and drawing. As of now, she has done over 70 hours of volunteer work and plans to do even more.





# HONORABLE MENTIONS



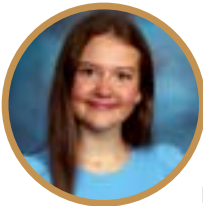
**GABRIELLE WALKER**, SHE/HER  
Nicolet High School

Gabrielle is a junior at Nicolet High School. She participates in numerous coding/robotics programs. Gabrielle served as the treasurer of her school's math club. She will attend college at an HBCU and likely major in a STEM field, such as engineering. Gabrielle also plans to become a Marine.



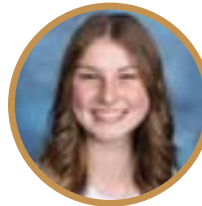
**REBECCA WALLA**, SHE/HE/THEY  
Menomonee Falls High School

Rebecca is in her senior year of high school, and is an aspiring cybersecurity analyst. She has been interested in computers since she was 11 years old, and is excited to focus solely on computer software in the near future. She is looking at going abroad to study cybersecurity and computer programming, specifically South Korea. Her next big project she is working on is building a PC.



**MADLINE WEBER**, SHE/HER  
Cedarburg High School

Madeline is a junior at Cedarburg High School, and is planning on taking AP computer science principles next year. This year she was in block based coding during first semester and she developed such a strong passion for coding that she joined a 2nd semester text based coding class. Each week Madeline volunteers with elementary students, and she plans to attend a 4 year college and major in health sciences. Where she would like to incorporate her computer science into her studies. Hopefully through coding she is able to grow her creativity and thinking, for example problem solving!



**ALYONA ZABEL**, SHE/HER  
Kimberly High School

Alyona is a high school Junior that is planning on pursuing a career as a Computer Scientist. Freshman year, she took AP Computer Science Principles and she also recently took AP Computer Science A to further her understanding and prepare herself for a career. Next year, she plans on taking Honors Computer Science Projects. At the moment, she plans on going to UW Madison and is ranked in the Top 10 for her class in her school. Last year, she won the NCWIT Rising Star Award. Alyona is involved in her school's Computer Science Club, DECA, FCA, Life Force, Varsity Lacrosse, and Culture Crew, where she was handpicked by the principal to be on a governing board for her school. Alyona is passionate about Science, Math, Business, and Russian Language Studies.



**KATINA ZIMMERSCHIED**, SHE/HER  
Cedarburg High School

Katina, a freshman at Cedarburg, was recognized this year as an Honorable Mention by NCWIT. In 5th grade, she elected to participate in a course created by the local high school coding teacher. This was her portal into the world of computer science. As she entered her freshman year in high school, Katina seized the opportunity to learn more about computer science. She enjoyed her block based programming class and found that she has an aptitude for it. She is looking forward to more coding and programming classes. Katina plans on following a career in engineering or computer science.



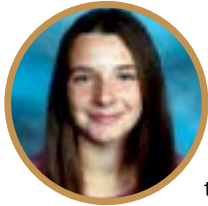
**OLIVIA ZOERNER**, SHE/HER  
Lakeview Technology Academy

Olivia's interest in engineering had sparked early in her education career in middle school by her first STEM class. Those classes were simple, using Inventor to create projects and learning how technology can change lives. Since taking all the engineering and technology classes at her then school, Olivia has gone to a technology and engineering high school where the main focus of her education has been using new technology for engineering. Olivia has worked through CAD and Autodesk Inventor to create new ideas and projects, she hopes to continue her future in engineering through higher education and bigger projects.





# RISING STARS



**ADALYNN BEHLING**, SHE/HER  
Kimberly High School

Addie is a junior at Kimberly, who first became interested in STEM her freshman year when she took AP Computer Science Principles. As she took more math and science classes, like chemistry, her interest grew. She likes problem-solving and working within groups, and hopes to attend a four-year college and major in something STEM related. She loves to learn new things and is looking forward to expanding her knowledge of computer science in the years to come.



**MAGGIE BOLANDER**, SHE/HER  
Cedarburg High School

Maggie Bolander originally learned about computer science when her dad gave her some Raspberry pi as a kid. Working with them taught me many ways of out of the box thinking and problem solving in coding. Since then Maggie has now taken AP computer science principles and found a new respect and love for computer science.



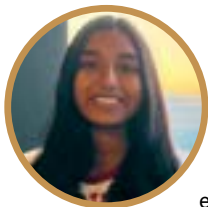
**KATIN EKINS**, SHE/HER  
Audubon High School

Kat has been working with code since Greenfield Middle School, 2018. She has since then worked with code to create several games. She has completed several coding activities, including those from school and home projects. They have made multiple, smaller games. These include a short game based around a story, one delving into how their character interacts with others, and minigames such as platforming and collecting games. Presently, she is working well in Audubon High School, taking an intro to programming class, and with it, has joined a robotics competition. She has a bigger project: a game portraying a story.



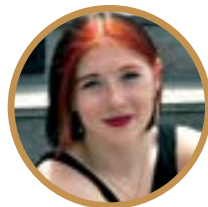
**MIA HURD**, SHE/HER  
Cedarburg High School

Mia is a Freshman at Cedarburg High School and is enjoying coding. Coming in with little experience, she is finding out that coding can be really fun. One of her great technological achievements is just starting coding and she is excited to continue to work and get better. Mia wants to get a scholarship to play D1 college soccer and eventually go pro, but other than that she is still figuring out what she wants her career to be.



**SRIJA KATUKAM**, SHE/HER  
Middleton High School

Srija is a junior at Middleton High School. She has been exposed to all different kinds of extracurriculars in the STEM field in her life so she hopes to incorporate as much of that knowledge as she can with technology in her future career. Since technology has always been around her, she has been interested in it since she was young but as she grew older and was exposed to more fields of education, Srija began to want to include technology while working in those fields. For example, she has been interested in the medical field and always wants to help people but combined with her experience with technology, she wants to possibly go into the biotechnology field.



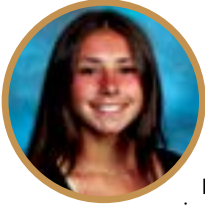
**ALISON KELLNER**, SHE/HER  
Homestead High School

Alison's interest in computers started after her brother majored in Computer Science. She was passionate and took many Computer Science classes at Homestead. She joined Homestead's programming club her senior year and is having a lot of fun in the competitions she has participated in. She has used technology outside of her Computer Science classes to create games and assist in her studies. She knows Python, Java, and some HTML and wants to learn many more. She started to take an interest in cybersecurity this year and is doing CyberStart to learn more about it. She wants to have a career in cybersecurity and is planning to major in it at Northeastern University.





# RISING STARS



**TESS KORNETZKE, SHE/HER**  
Cedarburg High School

Tess is a Junior at Cedarburg High School. She has always had an interest in math and science. Her interest in computer science sparked this year, in AP Computer Science Principles and Intro to text based coding. She plans on taking more computer science courses and continuing her experience. This year she has been given the opportunity to not only find something she really enjoys, but furthered her overall knowledge in technology.



**MORGAN MATUSZAK, SHE/HER**  
Sussex Hamilton High School

Morgan's greatest technical accomplishment she has done was learn the basics of java script through a website. She continues to learn and grow in the field and hopes to eventually learn Python. As of now, Morgan's plans for the future are to be a cyber security specialist. Morgan plans on going to WCTC, a technical college in Wisconsin. There, Morgan plans on doing the IT-Cybersecurity Specialist program. Morgan is fascinated with hackers and hacking, and would love to be involved in a hacking project, a legal one that is. Morgan is curious about computer forensics skills, and would really like to do a project in that field to explore and investigate it.



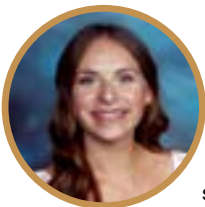
**NINA MLODZIK, SHE/HER**  
Cedarburg High School

Nina is a junior at Cedarburg High School. Lego League, a club she took part in grade school, sparked her interest in technology. She really enjoys reading and the outdoors. She takes part in three clubs at her school: FCA, Coding Club, and Spanish Club. Nina plans to go to a medical school after high school. One of her goals is to use technology in the future to help others.



**ISADORA MONTES, SHE/HER**  
Audubon High School

An accomplishment Isadora would say she's proud of is getting student of the month her freshman year. Some of Isadora's future goals after high school is to go to college for more education. She is hoping that she can get her CNA license in the next two years while still in high school, to give her a head start in my career. In her last few years of high school, she would also like to attend classes at Alverno college which could also give her a head start in her career.



**ELIZABETH NOTHEM, SHE/HER**  
Cedarburg High School

Liz Nothem is from Cedarburg High School. Her interest in computers and coding arose when I started taking AP Computer Science Principles. She competes on the varsity softball team for Cedarburg, along with coaching U10 girls for Crush. Crush is a fast pitch softball program for ages 10-16. In the future she plans to attend a four year college but that is still undecided. After college she plans to do something in the medical field but she is not quite sure which field of medicine.



**LUCY PAHL, SHE/HER**  
Cedarburg High School

Lucy is currently a freshman at Cedarburg High School. She has taken Introduction to Block-Based Programming and she plans to take AP Computer Science Principles next year as a sophomore and continue to take computer science courses all throughout high school. When not in school, Lucy spends most of her time playing volleyball and spending time with her family and friends. In the next few years, she plans to attend a four-year college where she would like to minor in computer science. Lucy would like to work with technology in her profession after college.



# RISING STARS



**RADHA PATEL, SHE/HER**  
Cedarburg High School

Radha is currently a sophomore at Cedarburg High School. She was first introduced to coding when she signed up for summer school classes at the middle school. Since then, she is currently taking AP Computer Science Principles and is looking forward to taking more technology-related courses. She is also a part of the swim and dive team and mock tRail. She aspires to learn more about computer science through the many courses offered to her. One of her goals for the future is to incorporate computer science into her future career.



**SARAH PROM, SHE/HER**  
Cedarburg High School

Sarah is a currently junior at Cedarburg High School where she plays both softball and volleyball. This year she took Intro to Text-Based Programming which she really enjoyed and started her passion for computer science. Next year she plans on taking AP Computer Science A. She plans on majoring in criminal justice in college with a possibility of minoring in computer science.



**ALEXIS REYNOLDS, SHE/HER**  
Menomonee Falls High School

Alexis, a sophomore at Menomonee Falls, is a member of the school's Computer Science division of STEM Academy. She is enrolled in Honors/AP Computer Science classes and has learned a variety of programming, networking, and cybersecurity skills since starting her STEM journey in 6th grade. Alexis is an active member of the school's yearbook club, volunteers at the school store, and competes in FBLA events. She was recently awarded overall winner in the FBLA regional Networking Infrastructure event and will be competing at state. In her free time, Alexis enjoys gaming and learning game development. Going into her Junior year, Alexis is looking forward to advanced programming and cybersecurity classes as well as exploring colleges to further her Computer Science education.



**FREJA SANSTAD, THEY/THEM**  
Cedarburg High School

Freja started from just a few coding videos online before taking a text-based programming course their freshman year in high school. From there, they went on to take an app development class, coding their own games, including a functional android app for the App Store. They plan to go to college to become a game developer for their own independent studio, and to bring joy to others with their creations and stories. They dream to create their own social media platform for fellow artists to post their creations in a safe space for all.





# RISING STARS



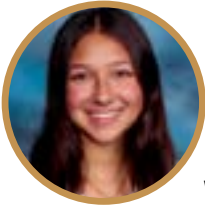
**EVA SCHNEIDER, HE/SHE/THEY**  
St. Mary Central High School

Eva is currently a senior at St. Mary Catholic in Neenah, Wisconsin. They were a member FIRST Lego League for two years and went to state with their team in their second year. They were vice president of homecoming float building freshman and junior years and helped build a float with mechanical and moving parts. They have studied the chemical properties of different paint pigments, and make and sell their own watercolor paints. Eva will be attending Arizona State University in the fall and will study animation. They hope to work at Dreamworks in the future and be a part of projects that empower queer youth like themselves.



**THERESA SCHWEIZER, THEY/THEM**  
Audubon High School

Theresa Schweizer is a sophomore attending Audubon High School in Milwaukee, WI. Theresa has been coding for a little over two years now and they really enjoy it. Theresa has always loved watching their middle school robotics team but was afraid to join because they didn't know if they would like to do coding. They started to become interested in coding when they went virtual during their 8th grade year. Theresa really likes the way coding can help them cope when they are feeling down. Theresa is very excited that they have been given the opportunity to do coding classes in high school. Audubon is providing a cyber security class next school year and Theresa joined that class. They hope that coding can help get into college for graphic design or interior design.



**PEARL WINTERHALTER, SHE/HER**  
Cedarburg High School

Pearl is a junior at Cedarburg High School. Pearl was introduced to technology at a very young age. Whether it was helping her dad fix the computer or doing digital drawings. Pearl grew up with two engineering parents so it was bound to be an interest. Currently, she is taking AP Computer Science and Principles and really enjoys the class. Pearl is a part of French club and plays on a club soccer team as well as varsity soccer team with the school. Pearl is interested in pursuing a career in STEM and or medical sciences.



# ACADEMIC PARTNERS



NCWIT WISCONSIN RELIES ON THE ACADEMIC COMMUNITY TO SUPPORT OUR MISSION, VISION, VALUES, AND GOALS

## ACADEMIC ALLIANCE - COLLEGIATE LEVEL

The following are registered members of the NCWIT Academic Alliance in Wisconsin. As members, they are committed to providing an inclusive culture for students identifying as women, queergender, or non-binary in computing and related disciplines on campus and through their K12 STEM Outreach programs.

Alverno College

Carthage College

Gateway Technical College

Lakeshore Technical College

Marquette University

Milwaukee Area Technical College

Milwaukee School of Engineering

UW-Madison

UW-Milwaukee

UW-Platteville

UW-Stout

UW-Superior

UW-Whitewater

Waukesha County Technical College

**THANK YOU!** We want to thank the following Academic Alliance members for their added level of support to those honored by NCWIT Wisconsin this year!

### INSTITUTIONAL SCHOLARSHIPS PROVIDED BY:

- UW-Milwaukee: School of Information Studies
- UW-Madison: Computer Science

### SUMMER PROGRAMMING SCHOLARSHIPS PROVIDED BY:

- Milwaukee School of Engineering

### GRAPHIC ARTS SUPPORT:

- Milwaukee Area Technical College: Creative Arts, Design, and Media Pathway
- Aspirations in Computing Recognition Booklet Design: Jeanne Salmon





# INDEX OF HONORED STUDENTS' SCHOOLS BY DISTRICT

**THANK YOU!** While not necessarily an official member of the NCWIT K12 Alliance program, the following districts and high schools are to be commended for providing an inclusive learning environment for students honored by the NCWIT – Wisconsin Award for Aspirations in Computing program this year.

District Name	School Name	Page Number(s)
Ashwaubenon School District	Ashwaubenon High School	20
Cedarburg School District	Cedarburg High School	19*, 21, 22, 24-32*, 34-38*, 40*, 41*, 42*
Elmbrook School District	Brookfield Central High School	26
Elmbrook School District	Brookfield East High School	27
Franklin Public School District	Franklin High School	39
Greendale School District	Greendale High School	28, 35
Hamilton School District	Hamilton High School	36*, 39, 42
Hartford UHS School District	Hartford High School	22
Homeschool	Homeschool	31
Hortonville Area School District	Hortonville High School	29
Howard-Suamico School District	Bay Port High School	27
Janesville School District	Janesville Craig High School	21
Janesville School District	Janesville Parker High School	22, 23, 29, 30, 35
Kenosha School District	Lakeview Technology Academy	31, 40
Kettle Moraine School District	Kettle Moraine High School	33
Kettle Moraine School District	Kettle Moraine HS of Health Services	28
Kimberly Area School District	Kimberly High School	37, 38, 40, 41
Madison Metro School District	Madison East High School	17
Manitowoc School District	Manitowoc Lincoln High School	30, 39
McFarland School District	Destinations Career Academy of Wisconsin	29
Medford Area Public Schools	Rural Virtual Academy	34
Menomonee Falls School District	Menomonee Falls High School	24, 34, 39, 40, 43
Mequon-Thiensville School District	Homestead High School	21, 22, 23, 41
Middle-Cross Plains School District	Middleton High School	18, 24, 27*, 28, 41
Milwaukee Public Schools	Audubon High School	32, 38, 41, 42, 44

\* denotes multiple winners per page



# INDEX OF HONORED STUDENTS' SCHOOLS BY DISTRICT



**Wisconsin Affiliate  
AWARD FOR  
ASPIRATIONS  
IN COMPUTING**  
an NCWIT Award

District Name	School Name	Page Number(s)
Milwaukee Public Schools	Hmong American Peace Academy	36
Milwaukee Public Schools	Milwaukee High School Of The Arts	19
Milwaukee Public Schools	Ronald Reagan High School	19, 20, 28
Mukwonago High School	Mukwonago High School	21, 26, 29
New Berlin School District	New Berlin Eisenhower Middle/HS	20, 22, 25, 35, 39
New Berlin School District	New Berlin West Middle/High School	18, 20, 24, 26, 29, 30*, 33, 34, 37, 38
New London School District	New London High School	27, 37
Nicolet UHS	Nicolet High School	17, 40
Oak Creek-Franklin Joint School District	Oak Creek High School	18, 30, 33*, 39
Oconomowoc Area School District	Oconomowoc High School	25
Port Washington-Saukville School District	Port Washington High School	24
Pulaski Community School District	Pulaski High School	28
Reedsburg School District	Reedsburg Area High School	23
Sauk Prairie School District	Sauk Prairie High School	37
Shoreland Lutheran	Shoreland Lutheran High School	23
Shorewood School District	Shorewood High School	23
St Mary Central	St. Mary Central High School	44
Sun Prairie Area School District	Sun Prairie High School	32
Waukesha School District	Waukesha Engineering Preparatory Academy	32
Waukesha School District	Waukesha North High School	37
Waunakee School District	Waunakee High School	26
Wausau School District	Wausau East High School	19
Wauwatosa School District	Wauwatosa West High School	26, 33, 34
Whitefish Bay School District	Whitefish Bay High School	19, 20, 21*, 22, 23, 24, 25*, 33
Whitewater Unified School District	Whitewater High School	20, 32, 35

\* denotes multiple winners per page





# INDEX OF HONORED STUDENTS BY SCHOOL

**CONGRATULATIONS HONOREES!** Each and every person on this list should be extremely proud of this award. It takes a tremendous amount of hard work, dedication, and passion to achieve this level of success and recognition. NCWIT hopes this will serve as a reminder of what you can accomplish as you continue along your unique path in computing, science, math, engineering, and technology. Aspire for greatness and you will succeed!

School Name	Student Name	Page	School Name	Student Name	Page
Ashwaubenon High School	Elizabeth Cleveland	20	Cedarburg High School	Grace Machata	36
Audubon High School	Liam Aponte	32	Cedarburg High School	Mariia Mamaieva	27
Audubon High School	Katin Ekins	41	Cedarburg High School	Anna Meuler	36
Audubon High School	Isadora Montes	42	Cedarburg High School	Nina Mlodzik	42
Audubon High School	Dolina Salazar	38	Cedarburg High School	Elizabeth Nothem	42
Audubon High School	Theresa Schweizer	44	Cedarburg High School	Caroline O'Leary	28
Audubon High School	Eloise Masee	27	Cedarburg High School	Lauren O'Leary	37
Brookfield Central High School	Nitya Madadi	26	Cedarburg High School	Lucy Pahl	42
Brookfield East High School	Eiman Mir	27	Cedarburg High School	Radha Patel	43
Cedarburg High School	Mary Arnett	19	Cedarburg High School	Sarah Prom	43
Cedarburg High School	Finnley Barratt	19	Cedarburg High School	Freja Sanstad	43
Cedarburg High School	Maggie Bolander	41	Cedarburg High School	Nora Schraeder	29
Cedarburg High School	Siena Carli	32	Cedarburg High School	Emma Snow	30
Cedarburg High School	Abigail Chen	32	Cedarburg High School	Jennifer Spencer	38
Cedarburg High School	Madison Engebose	21	Cedarburg High School	Katherine Spencer	38
Cedarburg High School	Molly Fletcher	22	Cedarburg High School	Ellie Stocking	38
Cedarburg High School	Sarah Gleed	34	Cedarburg High School	Madeline Weber	40
Cedarburg High School	MiRaim Hart	34	Cedarburg High School	Pearl Winterhalter	44
Cedarburg High School	Berit Henderson	24	Cedarburg High School	Hannah Zietlow	31
Cedarburg High School	Mia Hurd	41	Cedarburg High School	Katina Zimmerschied	40
Cedarburg High School	Natalie Khmelevsky	25	Destinations Career Academy of Wisconsin	Georgia Ridgeway	29
Cedarburg High School	Micah Kieckhefer	25	Franklin High School	Ameera Syed	39
Cedarburg High School	Tess Kornetzke	42	Greendale High School	Cameera Syed	35
Cedarburg High School	Jasmin Kraus	35	Greendale High School	Shayla Pavelchik	28
Cedarburg High School	Megan Lacke	35	Hartford High School	Sophie Farrell	22
Cedarburg High School	Lauren Lanning	26	Hmong American Peace Academy	Edyn Lee	36
Cedarburg High School	Anna Levy	36	Homeschool	Arsonic Webster-Barczak	31





# INDEX OF HONORED STUDENTS BY SCHOOL



**CONGRATULATIONS HONOREES!** Each and every person on this list should be extremely proud of this award. It takes a tremendous amount of hard work, dedication, and passion to achieve this level of success and recognition. NCWIT hopes this will serve as a reminder of what you can accomplish as you continue along your unique path in computing, science, math, engineering, and technology. Aspire for greatness and you will succeed!

School Name	Student Name	Page	School Name	Student Name	Page
Homestead High School	Michelle Dubrovsky	21	Middleton High School	Shradha Godishala	18
Homestead High School	Madeline Frank	22	Middleton High School	Giovanna Iosso	24
Homestead High School	Julia Gaskin	23	Middleton High School	Srija Katukam	41
Homestead High School	Alison Kellner	41	Middleton High School	Juliette Mandelbrot	27
Hortonville High School	Kaley Peterson	29	Middleton High School	Punitha Manne	27
Janesville Craig High School	Katarina Dries	21	Middleton High School	Manushri Muthukumaran	28
Janesville Craig High School	Eleanor Franke	22	Milwaukee High School Of The Arts	Justina Austin	19
Janesville Craig High School	Elizabeth Haynes	23	Mukwonago High School	Abigail Esmeier	21
Janesville Craig High School	Olivia Larson	35	Mukwonago High School	Alex Lange	26
Janesville Craig High School	Eva Schroeder	29	Mukwonago High School	Kendal Schreiber	29
Janesville Craig High School	Charlotte Simmons	30	New Berlin Eisenhower Middle/HS	Saoirse Collins	20
Kettle Moraine High School	Kiera Geeleher	33	New Berlin Eisenhower Middle/HS	Grace Fan	22
Kettle Moraine HS of Health Services	Anna Niezwaag	28	New Berlin Eisenhower Middle/HS	Sydney Kuhnz	25
Kimberly High School	Adalynn Behling	41	New Berlin Eisenhower Middle/HS	Kylie Kwiatkowski	35
Kimberly High School	Madalyn Rooyackers	37	New Berlin Eisenhower Middle/HS	Safia Syed	39
Kimberly High School	Kaitlyn Schmidt	38	New Berlin West Middle/HS	Nora Betry	18
Kimberly High School	Alyona Zabel	40	New Berlin West Middle/HS	Eleanor Certalic	20
Lakeview Technology Academy	Madison Elle Tongco	31	New Berlin West Middle/HS	Vivian Dinh	33
Lakeview Technology Academy	Olivia Zoerner	40	New Berlin West Middle/HS	Lauren Goeschel	34
Madison East High School	Jessica Bahena Hernandez	17	New Berlin West Middle/HS	Skye Johnson	24
Manitowoc Lincoln High School	Chelsea Stubbe	30	New Berlin West Middle/HS	Allison Lovrine	26
Manitowoc Lincoln High School	Nevaeh Tadych	39	New Berlin West Middle/HS	Holly Raetz	37
Menomonee Falls High School	Alena Her	24	New Berlin West Middle/HS	Breanna Rollmann	29
Menomonee Falls High School	Sophia Heuss	34	New Berlin West Middle/HS	Chloe Schneider	38
Menomonee Falls High School	Alexis Reynolds	43	New Berlin West Middle/HS	Rachel Schulz	30
Menomonee Falls High School	Emily Toth	39	New Berlin West Middle/HS	Josie Senger	30
Menomonee Falls High School	Rebecca Walla	40	New London High School	Autumn Martin	27





# INDEX OF HONORED STUDENTS BY SCHOOL

**CONGRATULATIONS WINNERS!** Each and every person on this list should be extremely proud of this award. It takes a tremendous amount of hard work, dedication, and passion to achieve this level of success and recognition. NCWIT hopes this will serve as a reminder of what you can accomplish as you continue along your unique path in computing, science, math, engineering, and technology. Aspire for greatness and you will succeed!

School Name	Student Name	Page	School Name	Student Name	Page
New London High School	Eliana Peach	37	Rural Virtual Academy	Claire Goeldner	34
Nicolet High School	Emma Maertz	17	Sauk Prairie High School	Elise Plaggemeyer	37
Nicolet High School	Gabrielle Walker	40	Shoreland Lutheran High School	Megan Grow	23
Oak Creek High School	Saja Elsharef	33	Shorewood High School	Shubh Goyal	23
Oak Creek High School	Sana Elsharef	33	St. Mary Central High School	Eva Schneider	44
Oak Creek High School	Madalyn Richter	18	Sun Prairie High School	Lila Biksacky	32
Oak Creek High School	Atifa Tariq	30	Sussex-Hamilton High School	Mahika Mahapatra	36
Oak Creek High School	Sidra Tariq	39	Sussex-Hamilton High School	Manita Mahapatra	36
Oconomowoc High School	Lauren Knudsen	25	Sussex-Hamilton High School	Morgan Matuszak	42
Port Washington High School	Poetry Howell	24	Sussex-Hamilton High School	Paige VonAsten	39
Pulaski High School	Grace Nguyen	28	Waukesha Engineering Prep Academy	Layla Amerling	32
Reedsburg Area High School	Katie Fullmer	23	Waukesha North High School	Maddy Pruett	37
Ronald Reagan High School	Jillian Borchert	19	Waukesha High School	Genevieve Mallin	26
Ronald Reagan High School	Viannys Colon	20	Wausau East High School	Evie Bleese	19
Ronald Reagan High School	Elise Mucker	28	Wauwatosa West High School	Claire Davis	33



*Wisconsin Affiliate*  
**AWARD FOR  
ASPIRATIONS  
IN COMPUTING**  
an NCWIT Award



# COLLEGIATE AWARD & MORE



## ACADEMIC PARTNERS: NCWIT COLLEGIATE AWARD



The NCWIT Collegiate Award Program allows members of the NCWIT community to submit information about their research and/or project work for the opportunity to win cash prizes. The application window occurs in September/October annually. The following members of our NCWIT community in Wisconsin have been recognized through this program.

## ACADEMIC PARTNERS: NCWIT AspireIT



AspireIT is creating a new, two-pronged approach and moving away from our former application and funding model:

- **AspireIT Impact Award:** This award will recognize AiC Community members for their incredible efforts to build and creatively offer near-peer, hands-on computing education while ultimately encouraging K-12 girls to contribute their unique perspectives and ideas to future innovations.

- **AspireIT Toolkit:** This resource will provide formal and informal educators with guidance on how to create and deliver hands-on computing education that incorporates near-peer mentorship. We have announced these changes to our Community Members and other audiences and will continue to roll out important information to everyone as items are finalized in the coming weeks.

Visit <https://aspirations.org/aspireit> for more information.

## ACADEMIC PARTNERS: COUNSELORS FOR COMPUTING



[www.ncwit.org/c4c](http://www.ncwit.org/c4c)

Educators and students alike look to professional school counselors for ways to encourage girls, women, and underrepresented groups to pursue computing. But knowing where to start is hard, even for the most experienced counselors. NCWIT can help counselors remove the barriers so students choose to learn computing, consider pursuing technical career paths, and believe their voices can be heard in the tech industry.

The NCWIT Counselors for Computing (C4C) program provides information and resources that help counselors join the front line of the computing conversation. We bring people and programs together with professional development, knowledge, and resources to give all students access to transformative computing careers.

Visit <https://ncwit.org/c4c> for more information.





THANK YOU TO OUR  
**NCWIT-WI SPONSORS**

***Gold Sponsors of NCWIT-WI Affiliate Aspirations***



***Silver Sponsors of NCWIT-WI Affiliate Aspirations***



***Bronze Sponsors of NCWIT-WI Affiliate Aspirations***



**Additional NCWIT-WI Supporters**

CSTA Wisconsin Dairyland  
Joanne and Spencer Korté  
UW-Milwaukee Foundation



THANK YOU TO OUR  
**FOUNDING SPONSOR**



A CONVERGE COMPANY

**We would like to congratulate the honorees for this year's Aspirations in Computing awards!**

*PDS, A Converge Company is a proud supporter of women in technology and the National Center for Women in Information Technology (NCWIT) Aspirations in Computing (AiC) Program.*

For more than 35 years PDS has been the trusted technology partner for organizations across the Midwest. Come see how we've grown and have expanded our ability to serve you in the areas of Cybersecurity, Digital Infrastructure, Digital Workplace, Cloud Platforms, Application Modernization, Global Integration and Deployment, and Advanced Analytics.

*Learn more at [pdsit.net](http://pdsit.net)*





THANK YOU TO OUR  
**GOLD SPONSOR**

# LET'S BUILD WHAT MATTERS.

Associated Bank is proud to support the next generation of women technology leaders!

At Associated Bank, we're focused on building a more inclusive and equitable environment both within and outside our company. Join us in creating better experiences through innovations in technology.

Explore career opportunities at  
[AssociatedBank.com/Careers](https://AssociatedBank.com/Careers).



Associated Bank is an equal opportunity employer committed to creating a diverse workforce. We support a work environment where colleagues are respected and given the opportunity to perform to their fullest potential. We consider all qualified applicants without regard to race, religion, color, sex, national origin, age, sexual orientation, gender identity, disability or veteran status, among other factors. Drug-Free Workplace. If you are a disabled Veteran—or if you have any form of disability—and need additional assistance with the application process, please contact [Careers@AssociatedBank.com](mailto:Careers@AssociatedBank.com) or call 920-327-5889. Associated Banc-Corp is an Affirmative Action and Equal Opportunity Employer. Associated Banc-Corp participates in the E-Verify Program. Associated Bank is Pay Transparency compliant. Member FDIC. (2/23) P08076



THANK YOU TO OUR  
**SILVER SPONSORS**



## TECHNOLOGY FUELED BY **GIRL POWER**

Award-winning women like you belong in an award-winning university. MSOE is ranked a **Top Ten Best University in the Midwest\*** and known for our next generation technologies that position us at the educational forefront of A.I.

MSOE is committed to providing an inclusive environment for women in technology by connecting them to a national network of organizations and supporting them with the resources they need to shatter the glass ceiling. In fact, *Woman Engineer Magazine* named us a **Top 20 University for Fostering Diversity & Inclusion**.

Learn more at [msoe.edu](https://msoe.edu).

\*U.S. News & World Report, 2021

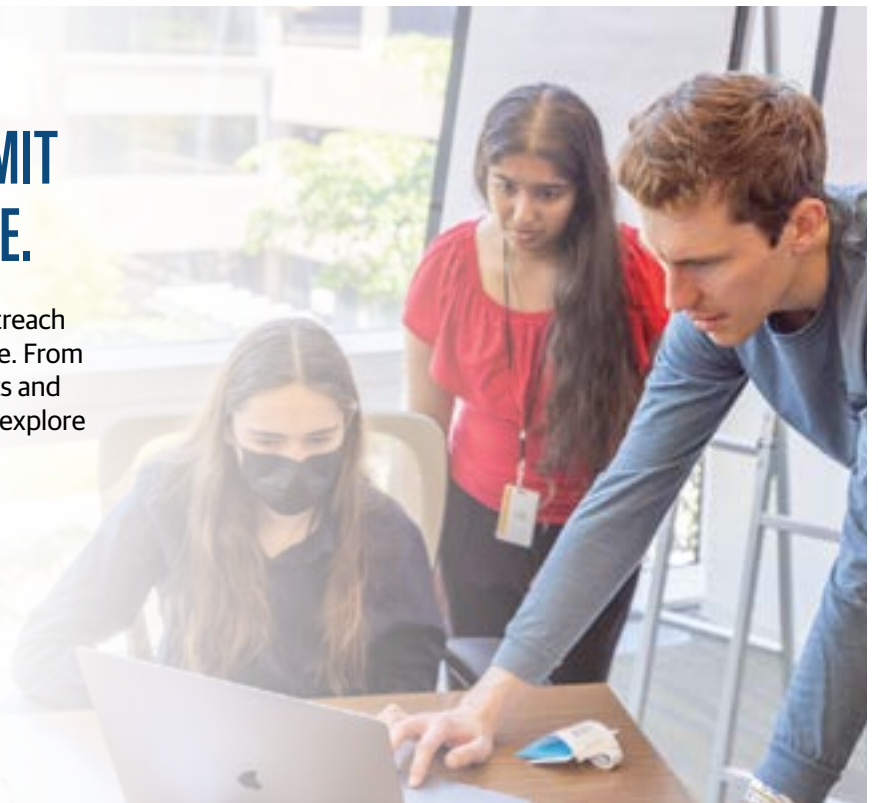


## WITH TECH, THERE'S NO LIMIT TO WHAT KIDS CAN ACHIEVE.

*hi, Tech*, Northwestern Mutual's technology outreach program, introduces students to what's possible. From education and hands-on programming to events and real-world experiences, participants connect to, explore and transform the world around them.

A bright future starts with, "hi".

hi, **Tech**





# THANK YOU TO OUR BRONZE SPONSORS



**GENERAC**

**POWER YOUR  
FUTURE AT GENERAC**

Join our local team,  
visit [www.generac.com](http://www.generac.com)!



WHERE  
IT  
LEADERS  
CONNECT

**WISCONSIN**

Connect.  
Collaborate.  
Lead.

*Proud to support the next generation of women IT leaders*

The Society For  
Information Management  
provides senior IT leaders  
with:

- Networking opportunities across 42+ chapters
- Leading-edge research
- CIO and practitioner focused events
- Career and leadership development



**Join Today!**

<https://www.SIMWisconsin.org>



**MATC** MILWAUKEE AREA  
*Technical College*





# THANK YOU TO OUR NATIONAL SPONSORS



## NCWIT ASPIRATIONS IN COMPUTING SPONSORS



*The entire Aspirations in Computing program platform is supported generously by Apple.*



RBC Capital Markets



*Aspirations in Computing also receives support for specific national program elements. The Cognizant U.S. Foundation provides broad support for growing the Aspirations program in strategic regional efforts. The NCWIT Award for Aspirations in Computing is supported by Bank of America; the NCWIT Educator Award is supported by AT&T; the NCWIT Collegiate Award is supported by Qualcomm and Amazon with additional support from Palo Alto Networks; Microsoft and Shopify support the Aspirations Affiliate program; and Meta sponsors the Aspirations in Computing Community. NCWIT AspireIT is supported by Google, Northrop Grumman, Bank of New York Mellon, DoD STEM, Royal Bank of Canada, and Walmart.*





# ACADEMIC ALLIANCE MEMBERS



**THE FOLLOWING ARE REGISTERED MEMBERS OF THE NCWIT ACADEMIC ALLIANCE IN WISCONSIN. AS MEMBERS, THEY ARE COMMITTED TO PROVIDING AN INCLUSIVE CULTURE FOR WOMEN IN COMPUTING AND RELATED DISCIPLINES ON CAMPUS AND THROUGH THEIR K12 STEM OUTREACH PROGRAMS.**

## ACADEMIC ALLIANCE - COLLEGIATE PARTNERS

Alverno College .....	59
Carthage College .....	60-61
Gateway Technical College .....	62-63
Lakeshore Technical College .....	—
Marquette University.....	64-65
Milwaukee Area Technical College.....	66-68
Milwaukee School of Engineering.....	70-73
UW-Madison .....	69
UW-Milwaukee (CEAS-CS, SOIS) .....	74-77
UW-Platteville .....	78-80
UW-Stout .....	—
UW-Superior.....	—
UW-Whitewater .....	81
Waukesha County Technical College .....	82-83

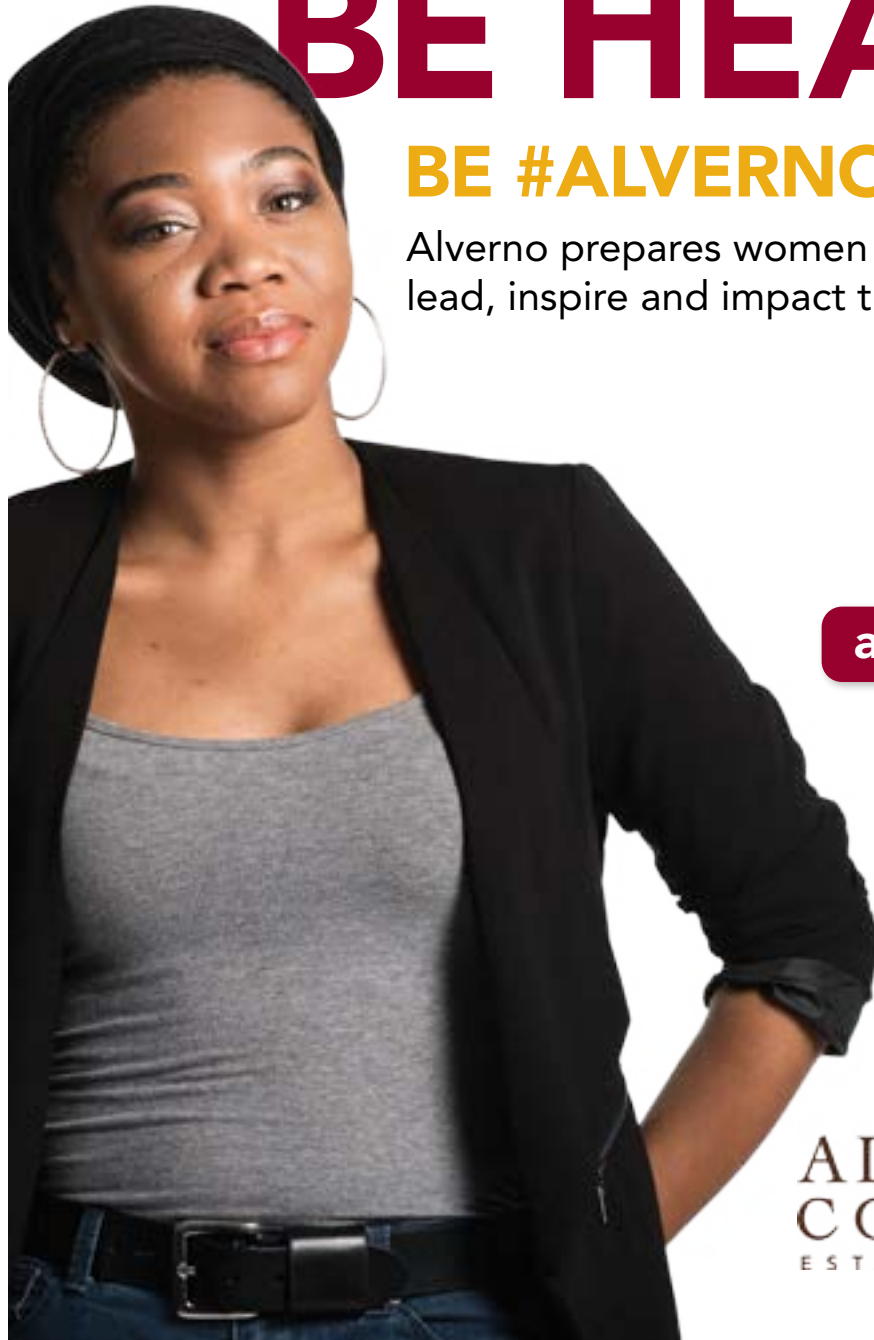




# BE SEEN BE HEARD

BE #ALVERNOSTRONG

Alverno prepares women to relentlessly lead, inspire and impact their community.



[alverno.edu](http://alverno.edu)

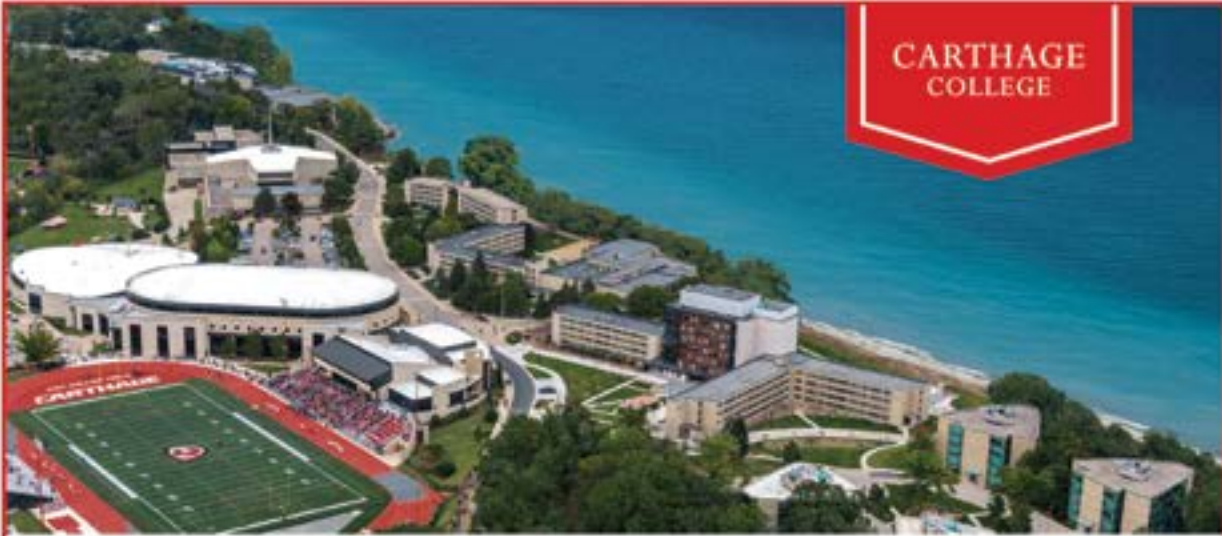


ALVERNO  
COLLEGE  
ESTABLISHED 1887





# ACADEMIC ALLIANCE



## COMPUTER SCIENCE at Carthage

The Computer Science Department at Carthage emphasizes hands-on, project-based coursework, instilling in students a dedication to quality and a sense of pride in their craft. As software grows more pervasive in modern life, you gain valuable programming experience and graduate with the flexibility to work in a wide range of fields.

### MAJOR:

- Computer Science
- Optional concentration in Game Development

### MINORS:

- Computer Science
- Game Development



FOR MORE INFORMATION, VISIT  
[carthage.edu/computer-science](http://carthage.edu/computer-science)



# ACADEMIC ALLIANCE



**ASHLEY GORMAN '22**  
Data Science major  
Computer Science minor

“Carthage is a terrific place to continue your journey in technology. In your computer science classes, **you’ll take on projects that not only have real-world applications but will also help to expand your professional portfolio.** You’ll be surrounded by supportive faculty that will help you realize your potential.”

## ABOUT COMPUTER SCIENCE AT CARTHAGE

### COURSES YOU’LL TAKE

A sampling of required courses and available electives in computer science:

- Web Application Development
- Game Development
- Software Security
- Mobile Application Development

For full course requirements, visit:

[carthage.edu/computer-science](http://carthage.edu/computer-science) and click on “Degree Requirements”.

### SPECIAL ACADEMIC OPTIONS

**Game Development:** With a concentration in game development, computer science majors can earn associate-level certification through Unity, the platform used to make most mobile, console, and PC games. A cross-disciplinary game development minor is open to all other Carthage majors.

### BEYOND THE CLASSROOM

More than 130 student-run organizations are active on campus, including the Computer Science Club (open to any Carthage student, regardless of major). The department also holds a weekly barbecue, bringing computer science students together for fun and collaboration.

### WHERE CARTHAGE COMPUTER SCIENCE GRADUATES GO

Our alumni have gone on to work for employers such as:

- Allstate
- Appirio
- Groupon
- Ingersoll Rand Security Technologies
- Morningstar Inc
- UnitedHealth Group Inc..

Some Carthage computer science graduates have founded startups in the tech sector or worked as independent programming consultants. Still others have continued their studies in graduate programs at:

- Carnegie Mellon University
- Marquette University
- North Carolina State University
- University of Chicago



**CARTHAGE  
COLLEGE**

### CONTACT US

#### DEPARTMENT CHAIR:

Perry Kivolowitz, *Professor of Practice in Computer Science*  
[pkivolowitz@carthage.edu](mailto:pkivolowitz@carthage.edu) | 262-551-6317  
[carthage.edu/computer-science](http://carthage.edu/computer-science)





# ACADEMIC ALLIANCE

## THINK BIG

### EARN YOUR IT DEGREE



Your big future starts here! **Gateway's Information Technology programs are designed to help you land your dream career.** You'll work hands-on with the latest IT technology, enjoy small classes taught by expert instructors, and graduate ready to enter in-demand IT careers or transfer on to earn your bachelor's degree.



**IT - CYBERSECURITY SPECIALIST** teaches you how to monitor and protect organizations' computer networks and data through a variety of security mechanisms and intrusion detection systems.



**IT - DATA ANALYTICS SPECIALIST** prepares you to identify, utilize, and interpret data from various sources to resolve business questions and improve operations.



**IT - COMPUTER SUPPORT SPECIALIST** equips you with the communication and critical thinking skills along with specialized knowledge of computer systems to assist clients with troubleshooting technology issues.



**IT - NETWORK SPECIALIST** gives you the skills to set up, support, secure and maintain computer networks and clouds so that businesses can continue to operate smoothly.

**IT - SOFTWARE DEVELOPER** prepares you for a career as a programmer/analyst or application developer, using a variety of computer platforms and languages to design, build and test programs that can help improve business, government and everyday life.

**IT - WEB SOFTWARE DEVELOPER** provides the experience you need to ensure the day-to-day functions for companies, agencies and other organizations by building and maintaining web architecture as a web developer or application developer.

#### GET STARTED TODAY!

For more information or to apply, connect with a Gateway New Student Specialist at 1-800-247-7122 or [newstudentspecialists@gtc.edu](mailto:newstudentspecialists@gtc.edu).

[GTC.EDU/IT-CLUSTER](http://GTC.EDU/IT-CLUSTER)





# STEM

## Scholars Pathway

Prepare for the STEM career of your dreams!  
Apply for the SC Johnson STEM Scholars Pathway  
4-year college scholarship.



**PROGRAM HIGHLIGHTS:**

- ◆ **Complete your first two years** of your STEM-related program at Gateway Technical College
- ◆ **Then transfer** to Carthage College, Concordia University Wisconsin or Milwaukee School of Engineering to complete your bachelor's degree
- ◆ **Program is geared** towards female students, underrepresented students of color and low-income students
- ◆ **Receive \$7,500 per year** for your first two years at Gateway. Then, receive \$7,500 per year for your final two years plus a matching \$7,500 per year scholarship from the 4-year college.

Visit [gtc.edu/STEM-scholars](http://gtc.edu/STEM-scholars) today to learn more and apply!

**Questions?**  
Connect with a Gateway New Student Specialist at 1-800-247-7122 or [newstudentspecialists@gtc.edu](mailto:newstudentspecialists@gtc.edu).





# ACADEMIC ALLIANCE



## COMPUTER SCIENCE FOR WOMEN

LEARN SOFTWARE SYSTEMS.

GAIN TECHNICAL EXPERTISE.

REFLECT CULTURAL AND GLOBAL AWARENESS.

Computational Thinking

Problem Solving

Project Creation



[www.marquette.edu/computer-science](http://www.marquette.edu/computer-science)





# ACADEMIC ALLIANCE



## PROGRAM INFORMATION



**MAJOR**  
COMPUTER SCIENCE

**MINOR**  
COMPUTER SCIENCE

**INTERDISCIPLINARY  
MAJORS AND MINORS**

DATA SCIENCE  
BIOINFORMATICS

## What Can YOU do with YOUR Major from CS?

### Our graduates...

Are employed in diverse fields:

- Data Analytics
- Cyber Security
- Software Engineering
- Actuarial Science
- Digital Marketing

Attend Graduate Schools:

- New York University (NYU)
- University of Wisconsin, Madison
- Carnegie Mellon
- University of Kentucky
- Washington University, St. Louis

STUDENTS WILL FIND PLENTY OF WAYS TO GET ENGAGED WITH YOUR FELLOW TECH LOVERS, PARTICIPATE IN FACULTY RESEARCH PROJECTS, AND ACCESS INTERNSHIP OPPORTUNITIES

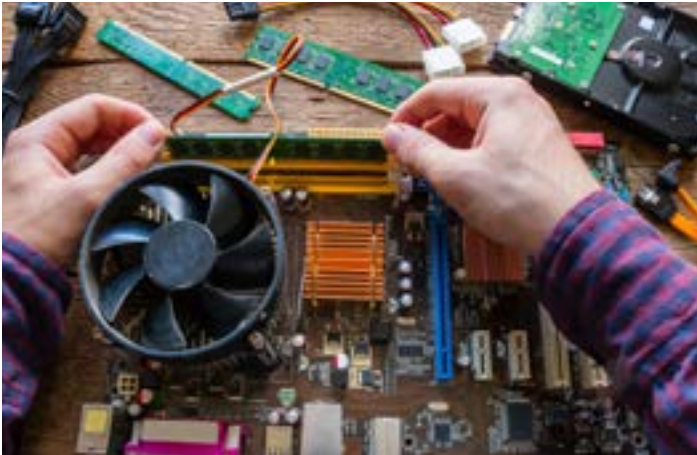
### GET INVOLVED IN GROUPS:

- ACM's Women in Computing (ACM-W)
- Upsilon Pi Epsilon International Honor Society
- Institution of Women Leadership (IWL)
- **Summer research experience** in AI, Data Science, Health Informatics, and more
- **Summer internship opportunities** in top software and tech companies





# ACADEMIC ALLIANCE



## Electronic Engineering Technology

**ASSOCIATE DEGREE** Program Code: 10-605-7

### West Allis Campus

Gain the expertise for professional testing/repair positions in the electronics field. If you are interested in continuing your education to pursue a Bachelor of Science Electrical Engineering degree at Milwaukee School of Engineering (MSOE), select the MSOE-BSEE Transfer courses.

### Career Outlook

Technicians assist engineers and producers of electronic equipment and systems, and are part of a fast-growing career area.

You can earn the Electronics Technician Fundamentals technical diploma on your way to completing this associate degree.

### Program Learning Outcomes

- Apply electronic theory to practice
- Operate test equipment
- Build electronic circuits and systems
- Evaluate the operation of electronic circuits or systems
- Communicate technical information

### Admission Requirements

- A high school diploma or GED
- One year of high school-level geometry and one year of high school-level algebra, or equivalent



STEM

MILWAUKEE AREA **Technical College**

matc.edu | 414-297-MATC

Start dates: August and January



## IT Computer Support Specialist

**ASSOCIATE DEGREE** Program Code: 10-154-3

### All campuses

This program prepares you for industry-sought certifications, including CompTIA's A+, Network+, Security+ and Mobility+ Device Administrators (iOS, Android and Windows), Microsoft Certified Professional in Windows Desktop, Microsoft Enterprise Desktop Support Technician (MCITP), Apple OSX Certified Support Professional (ACSP), HDI-SCA, HDI-DST and ITIL Foundation.

You can earn three certificates and the IT Computer Support Technician, IT Help Desk Support Specialist and IT User Support Technician technical diplomas on the way to earning this associate degree.

### Career Outlook

Computer support specialists are in high demand locally and throughout the United States. Typical job titles include junior help desk technician, junior support specialist, Apple support specialist, mobile device support specialist, desktop support specialist and IT field technician.

### Program Learning Outcomes

- Manage information technology hardware
- Manage software
- Support computer networks
- Provide end-user support
- Solve information technology problems
- Demonstrate customer service skills as an IT professional

### Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra



STEM

MILWAUKEE AREA **Technical College**

matc.edu | 414-297-MATC

Start dates: August and January



# ACADEMIC ALLIANCE



## IT Mobile Applications Developer

**ASSOCIATE DEGREE** Program Code: 10-152-8

### All campuses

Develop your skills in software development with an emphasis on creating mobile applications. You will learn essential programming skills while developing mobile applications for both iOS and Android platforms.

### Career Outlook

There is a growing need for qualified mobile application developers. Graduates of this program also may find employment in programming, or operations and systems analysis.

This program is being developed as a Career Pathway. Contact an MATC advisor for information.

### Program Learning Outcomes

- Gather mobile requirements
- Design mobile applications
- Integrate mobile data technologies
- Build mobile applications
- Develop technical documentation for mobile applications
- Implement current platforms support

### Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra



## IT Information Systems Security Specialist

**ASSOCIATE DEGREE** Program Code: 10-151-3

### All campuses

Prepare for a career in computer network and internet security by learning to develop information security strategies, perform risk analyses, install security software, monitor network traffic and develop an emergency response plan. You will have hands-on coursework in securing MS Windows, Unix/Linux, Cisco, networks, servers and clients, and the enterprise network.

### Career Outlook

Employment opportunities are growing due to the increased need for secure computer systems.

This program features exploratory courses that count toward a credential. Contact an MATC advisor for information.

### Program Learning Outcomes

- Identify security strategies
- Implement secure infrastructures
- Conduct security testing
- Analyze security data
- Mitigate risk
- Develop security documentation

### Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra or one semester of college-level algebra
- Microsoft Windows or Macintosh operating system skills



STEM

MILWAUKEE AREA **Technical College**

matc.edu | 414-297-MATC

Start dates: August and January



STEM

MILWAUKEE AREA **Technical College**

matc.edu | 414-297-MATC

Start dates: August and January





# ACADEMIC ALLIANCE



## IT Network Specialist

**ASSOCIATE DEGREE** Program Code: 10-150-2

### All campuses

Through hands-on coursework, you will set up and troubleshoot computer and network operating systems along with working with emerging IT technologies. Certification preparations in this degree include: VMware Certified Professional (VCP-DCV), Cisco Certified Networking Associate (CCNAv7), Microsoft Certifications, Amazon Web Services Cloud Practitioner (AWS-CP), Testout and CompTIA (A+, Network+ and Security+).

You can earn the IT Networking and Infrastructure Administration technical diploma on your way to completing this associate degree.

### Career Outlook

Employment opportunities are strong. This program will prepare you to obtain an entry-level information technology position with possibilities for advancement. You also will be ready to take industry certification exams.

### Program Learning Outcomes

- Implement computer networks
- Implement client systems
- Implement server operating systems
- Implement network security components
- Develop technical documentation
- Troubleshoot network systems

### Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra or one semester of college-level algebra

## IT Web and Software Developer

**ASSOCIATE DEGREE** Program Code: 10-152-7

### All campuses

Develop software applications that can be deployed using a variety of platforms. You will learn essential programming skills while developing software that utilizes client and server processing, connects to databases and will run simultaneously on multiple devices.

### Career Outlook

There is a growing need for qualified web and software developers. Program graduates also may pursue opportunities related to programming and database management.

### Program Learning Outcomes

- Design web and software applications
- Apply data persistence technologies
- Develop software applications
- Develop web applications
- Develop documentation
- Use infrastructures
- Analyze new technologies

### Admission Requirement

- A high school diploma or GED

This program is being developed as a Career Pathway. Contact an MATC advisor for information.



**STEM**  
MILWAUKEE AREA *Technical College*

[matc.edu](http://matc.edu) | 414-297-MATC

**Start dates:** August and January



**STEM**  
MILWAUKEE AREA *Technical College*

[matc.edu](http://matc.edu) | 414-297-MATC

**Start dates:** August and January



# ACADEMIC ALLIANCE



The Department of Computer Sciences at UW-Madison was one of the first computer science departments in the country, which means we've been pioneers in the field for a long time. In fact, the first PhD in CS in the US graduated in 1965 from UW-Madison - and was a woman - Mary Kenneth Keller.

We're well established, highly ranked, and growing. We now have the largest number of majors on the UW-Madison campus, so we can provide more course and research opportunities for our students. And we are firmly rooted in The Wisconsin Idea - that the university has a responsibility to use education for good, benefitting not just the UW-Madison community but also the entire state of Wisconsin, the country, and the world.

The CS Department is part of the **College of Letters & Science at UW**, so our program is flexible. Almost half our majors are double majors and combine CS with a wide variety of areas, from Spanish to art to statistics, math, and biology. We are also one of three departments, with the Department of Statistics and the Information School, in the new **School of Computer, Data & Information Sciences (CDIS)**. With CDIS, we are creating more interdisciplinary research opportunities, expanding course offerings, and leading the computing revolution across the state of Wisconsin.

## UW-Madison Computer Sciences Aspirations Award

UW-Madison Computer Sciences majors can apply for the \$1000 UW-Madison Department of Computer Sciences Aspirations Award if they are a winner of the NCWIT Award for Aspirations in Computing at the state or national level. This is awarded one time after the student has declared a major in CS.



Follow us on Twitter and Facebook: @WisconsinCS

## Women's Chapter of the Association for Computing Machinery (WACM)

WACM provides opportunities and creates community for women in the CS Department. WACM holds tech talks, networking events, trainings, and attends the Grace Hopper Celebration of Women in Computing every fall. They also pair graduate student mentors with undergraduate students and hold speaker series.



More information at [cs.wisc.edu](http://cs.wisc.edu).

## Wisconsin Emerging Scholars-Computer Sciences (WES-CS)

WES-CS is a fun, interactive study group - for which you earn credit! WES-CS accompanies the Programming I and II classes (CS 200 and 300). Each group of 8-10 students is peer led and meets regularly to learn more about programming and career paths.

## TRANSFORM THE WORLD





# ACADEMIC ALLIANCE

## Bachelor of Science in Computer Science



Computer science is one of the fastest growing, highest paying professions with impacts in virtually every corner of society. Graduates of MSOE's computer science program will be prepared to write cutting-edge software to solve tomorrow's problems with a special emphasis on machine learning and artificial intelligence. Whether it's smartphones, automobiles, security, advanced manufacturing, or big data, emerging developments in machine learning and artificial intelligence enable breakthrough innovations for the challenging problems of our time. MSOE computer science students will learn on the leading edge of this technological revolution, developing skills to solve problems using algorithms, applied mathematics, and artificial intelligence in a hands-on environment working on real problems with experienced faculty.

[msoe.edu/cs](http://msoe.edu/cs)

### DWIGHT AND DIAN DIERCKS COMPUTATIONAL SCIENCE HALL

MSOE computer science students will have the privilege of learning in the Dwight and Dian Diercks Computational Science Hall. Students have access to "Rosie," a GPU-powered supercomputer and other hardware from NVIDIA, a global leader in artificial intelligence, supercomputing and visual computing. Purpose built AI, big data visualization, cyber security and human machine interface labs in Diercks Hall facilitate collaborative problem-solving to tackle real-world challenges using big data, algorithms and computing hardware in concert. Corporate and academic research partnerships are facilitated for students in dedicated spaces throughout the building to advance experiential learning opportunities. Diercks Hall was made possible through a \$34 million gift from MSOE Regent and alumnus Dr. Dwight '90 and Dian Diercks.

Diercks Hall by the numbers:

- 16,500 square-feet of data-rich laboratories
- 11,500 square-feet of interactive classrooms
- 256-seat auditorium
- 3,500 square-feet of collaboration and event space
- NVIDIA GPU-powered AI supercomputer

[msoe.edu/diercks-hall](http://msoe.edu/diercks-hall)

MSOE is an Academic Alliance member of the National Center for Women in IT (NCWIT). To learn more about opportunities and initiatives, visit [msoe.edu/wit](http://msoe.edu/wit).

### CAREERS

Some career choices of MSOE CS graduates include:

- Data architect
- Data scientist
- Information security specialist
- Machine learning engineer
- Web developer
- Software engineer

2021-22 AVERAGE STARTING SALARY	2021-22 GRADUATE OUTCOMES RATE	<b>6th Best</b> University in the Midwest <small>U.S. News &amp; World Report, 2022-23</small>
<b>\$85,661</b>	<b>97%</b>	



### PARTNERS AND EMPLOYERS

- Astronautics Corporation of America
- Direct Supply
- FIS
- GE Healthcare
- Google
- Johnson Controls Inc.
- Kohl's
- Microsoft
- Milwaukee Tool
- Northwestern Mutual
- NVIDIA
- Rockwell Automation
- SpaceX

### GRADUATE SCHOOLS

Some MSOE graduates pursue Ph.D. studies at universities including:

- Carnegie Mellon University
- George Washington University
- Vanderbilt University
- Washington State University

### PROGRAM DIRECTOR

Derek Riley, Ph.D.

Electrical Engineering and Computer Science Department  
[riley@msoe.edu](mailto:riley@msoe.edu)



# ACADEMIC ALLIANCE



## Computer Science Four-year plan: Version 91

### YEAR ONE

#### FALL

COM 1001	College Writing	3 credits
CSC 1110	Software Development <sup>1</sup>	4 credits
MTH 1110	Calculus I	4 credits
PHY 1110	Physics I - Mechanics and Thermodynamics <sup>1</sup>	4 credits
<b>Total 13 lecture hours - 4 lab hours</b>		<b>15 credits</b>

#### SPRING

CSC 1120	Data Structures and Graphical Interfaces <sup>1</sup>	4 credits
IDS 2020	Career Development	0 credits
MTH 1120	Calculus II	4 credits
	Elective (Lab Science) <sup>1,2</sup>	4 credits
	Elective (Raider Core-Exhibit Curiosity) <sup>3</sup>	3 credits
<b>Total 14 lecture hours - 4 lab hours</b>		<b>15 credits</b>

### YEAR TWO

#### FALL

COM 2001	Writing for the STEM Disciplines	3 credits
CSC 2011	AI Tools <sup>1</sup>	3 credits
MTH 2130	Calculus III	4 credits
MTH 2340	Linear Algebra with Applications	3 credits
SWE 2410	Design and Cloud Patterns <sup>1</sup>	3 credits
<b>Total 14 lecture hours - 4 lab hours</b>		<b>16 credits</b>

#### SPRING

CSC 2621	Introduction to Data Science <sup>1</sup>	3 credits
MTH 2210	Discrete Mathematics	3 credits
MTH 2480	Probability and Statistics	3 credits
PHL 3102	Ethics of Digital Technologies and AI	3 credits
SWE 2710	Software Tools and Process <sup>1</sup>	4 credits
<b>Total 14 lecture hours - 4 lab hours</b>		<b>16 credits</b>

### YEAR THREE

#### FALL

COM 3001	Professional Presentations	3 credits
CSC 2210	Procedural and Object-Oriented C++	4 credits
CSC 3310	Algorithms and Advanced Data Structures	3 credits
CSC 3511	Security and Networking <sup>1</sup>	3 credits
CSC 4601	Theory of Machine Learning <sup>1</sup>	3 credits
<b>Total 14 lecture hours - 4 lab hours</b>		<b>16 credits</b>

#### SPRING

BUS 2411	Building Inclusive Teams	3 credits
CSC 3210	Operating Systems	3 credits
CSC 3320	Databases <sup>1</sup>	3 credits
CSC 4611	Introduction to Deep Learning	3 credits
CSC 4801	Data Science Practicum <sup>1</sup>	3 credits
<b>Total 13 lecture hours - 4 lab hours</b>		<b>15 credits</b>

### YEAR FOUR

#### FALL

CSC 4631	Artificial Intelligence <sup>1</sup>	3 credits
CSC 4901	Computer Science Capstone I	3 credits
	Elective (Lower Technical) <sup>4</sup>	3 credits
	Elective (Free) <sup>5</sup>	3 credits
	Elective (Raider Core-Choice of CLO) <sup>6</sup>	3 credits
<b>Total 12 lecture hours - 2 lab hours</b>		<b>15 credits</b>

#### SPRING

CSC 4902	Computer Science Capstone II	3 credits
	Elective (Upper Technical) <sup>7</sup>	3 credits
	Elective (Upper Technical) <sup>7</sup>	3 credits
	Elective (Free) <sup>5</sup>	3 credits
	Elective (Raider Core-Embrace Diversity) <sup>8</sup>	3 credits
<b>Total 12 lecture hours - 0 lab hours</b>		<b>15 credits</b>

### NOTES

- <sup>1</sup> Includes a laboratory component.
- <sup>2</sup> Any 4 or more credit hour course that includes a laboratory component and is offered by the Physics and Chemistry Department.
- <sup>3</sup> 6 Raider Core credit hours of foundational knowledge in the humanities and social sciences. The combination of courses must address and assess the exhibit curiosity and embrace diversity-Common Learning Outcomes.
- <sup>4</sup> Any 3 or more credit hour course offered by the EECS Department that has a course number of 2000 or higher.
- <sup>5</sup> Any 3 or more credit hour course not found in the free elective exclusion list.
- <sup>6</sup> 3 Raider Core credit hours of foundational knowledge in the humanities, sciences, mathematics, social sciences and arts. The course must address and assess at least one of the following Common Learning Outcomes: collaborate successfully; think critically; demonstrate ethical understanding; exhibit curiosity; or embrace diversity.
- <sup>7</sup> 6 or more credit hours from courses offered by the EECS Department where the course number is 3000 or higher.

The Academic Catalog is the official document for articulating degree requirements. Please visit [catalog.msoe.edu](http://catalog.msoe.edu) to learn more.



Milwaukee School of Engineering  
1025 N. Broadway  
Milwaukee, WI 53202-3100  
[msoe.edu](http://msoe.edu)





# ACADEMIC ALLIANCE

Bachelor of Science in

## User Experience

Join the next generation of UX designers to lead digital innovation of the 21st century



Committed to designing for people, User Experience (UX) professionals create user-friendly products and services that make the world better for all. Our curriculum empowers students to embrace the power of human-centered design and computing to create innovative design solutions to complex problems. Our Gene Carter Usability Lab provides students with the opportunity to collaborate with community partners, research, design and prototype human-centered interfaces, products, and services.

[msoe.edu/ux](http://msoe.edu/ux)

### TECHNOLOGY

Learn the latest tools of the trade to design the best digital products and experiences.

### DESIGN

Create impactful, eye-popping designs for mobile, web, mixed media and extended reality, and emerging technologies.

### RESEARCH

Discover how to delight users and get them to engage with your digital product.

### CONSIDER UX IF YOU HAVE ...

- Fascination with the latest web, mobile and immersive technologies and design tools.
- A keen eye for beautiful design and appreciation for the finer details.
- A high degree of creativity, imagination and curiosity about human psychology.
- The ability to think outside the box and find unique solutions to complex problems.
- Excellent teamwork and communication skills.

### PROGRAM DIRECTOR

Nadya Shalamova, Ph.D.

Humanities, Social Science and  
Communication Department  
[shalamova@msoe.edu](mailto:shalamova@msoe.edu)

2021-22 AVERAGE STARTING SALARY  
**\$64,533**

2022 GRADUATE OUTCOMES RATE  
**78%**

**6th Best**  
University in the Midwest

U.S. News & World Report, 2022-23



### CAREER PATHS

- User Interface Designer
- Interaction Designer
- UX Researcher
- UX Writer
- UX Manager
- Product Designer
- Visual Designer
- Information Architect
- Digital Strategist

### MILWAUKEE EMPLOYERS

- Bradley Corp.
- FIS
- Foxconn
- Johnson Controls
- Milwaukee Electric Tool
- Northwestern Mutual
- Uline





# ACADEMIC ALLIANCE



## User Experience

Four-year plan: Version 51

### YEAR ONE

#### FALL

COM 1001	College Writing	3 credits
MTH 1050	Finite Mathematics	4 credits
TCM 1010	Argument and Persuasion	3 credits
UXD 1001	Human-Centered Design	3 credits
UXD 1020	Visual Design	3 credits
<b>Total 16 lecture hours - 0 lab hours</b>		<b>16 credits</b>

#### SPRING

MTH 2450	Business Statistics and Analytics	4 credits
PSY 2002	Psychology of Design	3 credits
TCM 1020	Writing for Digital Media	3 credits
UXD 1030	Interface Design	3 credits
UXD 1040	Design Thinking	3 credits
<b>Total 16 lecture hours - 0 lab hours</b>		<b>16 credits</b>

### YEAR TWO

#### FALL

COM 2001	Writing for the STEM Disciplines	3 credits
CSC 1110	Software Development	4 credits
TCM 2010	Interpersonal Communication	3 credits
UXD 2010	Inclusive Design	3 credits
UXD 2020	Interaction Design	3 credits
<b>Total 16 lecture hours - 2 lab hours</b>		<b>16 credits</b>

#### SPRING

COM 3001	Professional Presentations	3 credits
TCM 2020	Communication Dynamics of High-Performance Teams	3 credits
UXD 2030	Designing for Extended Reality	3 credits
UXD 2040	People + Automation	3 credits
UXD 2050	UX Writing	3 credits
<b>Total 15 lecture hours - 0 lab hours</b>		<b>15 credits</b>

### YEAR THREE

#### FALL

MEC 1602	Introduction to Solid Modeling and Design	3 credits
TCM 3010	Digital Storytelling	3 credits
UXD 3010	UX Research	3 credits
UXD 3020	Design for Chat and Voice	3 credits
	Elective (Raider Core—Exhibit Curiosity) <sup>1</sup>	3 credits
<b>Total 14 lecture hours - 2 lab hours</b>		<b>15 credits</b>

#### SPRING

TCM3020	Advanced Presentations	3 credits
UXD 3030	Data Visualization	3 credits
UXD 3040	Agile Project Management	3 credits
UXD 3050	Search Engine Optimization	3 credits
UXD 3060	Professional Portfolio	3 credits
<b>Total 15 lecture hours - 0 lab hours</b>		<b>15 credits</b>

### YEAR FOUR

#### FALL

PHL 3102	Ethics of Digital Technologies and Artificial Intelligence	3 credits
UXD 4020	UX of Physical Products	3 credits
UXD 4901	UX Senior Design	3 credits
	Elective (Raider Core—Embrace Diversity) <sup>1</sup>	3 credits
	Elective (Program) <sup>2</sup>	3 credits
<b>Total 11 lecture hours - 2 lab hours</b>		<b>12 credits</b>

#### SPRING

SOC 4001	Digital Society	3 credits
UXD 4030	UX Strategy	3 credits
	Elective (Program) <sup>1</sup>	3 credits
	Elective (Program) <sup>2</sup>	3 credits
	Elective (Raider Core—Choice of CLO) <sup>1,2</sup>	3 credits
<b>Total 15 lecture hours - 0 lab hours</b>		<b>15 credits</b>

### NOTES

<sup>1</sup> The noted CLO is a placeholder. Raider Core electives can be taken in any order, as long as Exhibit Curiosity, Embrace Diversity, and Demonstrate Ethical Understanding are all covered. With some exceptions, these courses must be taught out of the Humanities, Social Science and Communication Department.

<sup>2</sup> ANT, PHL, PSY, AND SOC courses taken as program electives must be unique and taken separately from the Raider Core electives.

The Academic Catalog is the official document for articulating degree requirements. Please visit [catalog.mscoe.edu](http://catalog.mscoe.edu) to learn more.



Mississippi School of Engineering  
8025 N. Broadway  
Milwaukee, WI 53202-0109  
[mscoe.edu](http://mscoe.edu)





# ACADEMIC ALLIANCE

## Computer Science for Women

We'll help you build a solid foundation in computing, math and engineering and motivate you to find your passion in STEM.



The College of Engineering & Applied Science provides an inclusive and empowering environment for women to thrive in tech. We welcome you to explore our computer science opportunities.



**Questions?**  
Contact [ceas-cs@uwm.edu](mailto:ceas-cs@uwm.edu)  
or visit our website  
[uwm.edu/computerscience](http://uwm.edu/computerscience)



College of Engineering  
& Applied Science





## Attention Milwaukee High School Students

### UWM has scholarships to increase diversity in tech education

Incoming freshmen can apply for a full ride scholarship in these majors:

- Applied Mathematics and Computer Science BA
- Computer Engineering BS
- Computer Science BA or BS
- Data Science BS
- Information Science & Technology BS
- Information Technology Management BBA



[uwm.edu/diversitytech](http://uwm.edu/diversitytech)



Student orgs such as Women in Computing, IEEE-CS, Google Developers Group, and Society of Women Engineers provide social and academic networks with other women of similar interests, and connections to professional mentors.



College of Engineering & Applied Science





# ACADEMIC ALLIANCE



In one semester at SOIS, I got an internship at Manpower-Group lasting my final year of school. I participated in The Commons program, and innovated with Kohl's through Destination Innovation. Through all of this, I was able to land a career IT position with Kohl's as an Associate Software Engineer.



**Katrina Hightower** (BSIST 2017)  
Associate System Engineer, Kohl's Corporation  
FUNDING SUPPORT: SOIS Research Day Award & SOIS Diversity Scholarship

## BUILDING ENVIRONMENTS FOR SUCCESS

THROUGH OPPORTUNITY & SUPPORT

### SOIS WOMEN IN INFORMATION TECHNOLOGY

IST Alumna, Katrina Hightower took full advantage of her education and the opportunities that exist at the School of Information Studies (SOIS). While majoring in Information Science & Technology (IST), Katrina served as an IT ambassador for the IT United Student Technology Career Fair (mentoring high school students). This opportunity lead first to an internship with ManpowerGroup, and then to a full-time job as a software engineer at Kohl's. Katrina is just one example of the way students can enhance their education through real world experiences.

**SOIS provides a vast array of opportunities for students to enhance their education. Through assistantships, internships, student technology tutoring, along with professional and career networking opportunities, SOIS students are positioned to become leaders in the information technology professions.**

School of **INFORMATION**STUDIES



# ACADEMIC ALLIANCE



My Bachelor Degree in Information Science and Technology has allowed me to become a Senior Web Developer at an Advertising Agency. Everything I've learned such as PHP, Project Management, Data Analysis, HTML, CSS, Javascript, User Experience Design (UX), and User Interface Design has been used and applied in my field as a web developer. The Information Science and Technology bachelors degree prepared me to become a Senior Developer. As a result, I am able to manage, analyze and lead as one of the top developers in this technological industry.



**Nita Yang** (BSIST 2011)  
Lead Web Developer at OneTrust

## SOIS WOMEN IN INFORMATION TECHNOLOGY

**THROUGH INTERNSHIPS AND COLLABORATIONS WITH LOCAL COMPANIES, SOIS STRIVES TO CREATE OPPORTUNITIES FOR FEMALE STUDENTS TO EXPERIENCE INCLUSIVE AND PRODUCTIVE TECHNICAL WORKPLACES.**

### MEET OUR SOIS ALUMNAE

**Allison Hecker** (BSIST 2018)  
Information Technology Technician  
Whitefish Bay School District  
INTERNSHIPS  
Team Lead and Intern, Nonprof-IT  
FUNDING SUPPORT  
SOIS Attitude & Aptitude Scholarship  
Misix Scholarship

**Lauren Trotter** (BSIST 2018)  
IT Application Analyst at SwedishAmerican,  
A Division of UW Health  
INTERNSHIPS  
Digital Marketing/Web Design Intern,  
Actuant Corporation  
Team Lead, Nonprof-IT  
FUNDING SUPPORT  
SOIS Attitude & Aptitude Scholarship



**Apply Today!**  
[apply.wisconsin.edu](http://apply.wisconsin.edu)

### BACHELOR OF SCIENCE IN INFORMATION SCIENCE & TECHNOLOGY (IST)

The IST program combines core IT skills like front-end web design, programming, and project management, with electives that you choose. The only degree of its kind in the UW System, the BSIST degree will set you apart from the competition.

- 120 CREDIT PROGRAM
- ONLINE OR ONSITE OFFERINGS
- TRANSFER FRIENDLY
- INTERNSHIPS AND SERVICE LEARNING

### CONTACT US

#### School of Information Studies

NWQB 3550  
2025 E Newport Ave  
Milwaukee, WI 53211

Phone: 414-229-4707  
Toll Free: 888-349-3432  
Email: [soisinfo@uwm.edu](mailto:soisinfo@uwm.edu)





# ACADEMIC ALLIANCE



## WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS PROGRAM

The Women in Science, Technology, Engineering, and Mathematics Program at the University of Wisconsin-Platteville educates and engages students, parents, and all educators on gender diversity in the science, technology, engineering, and mathematics fields in order to create a more diverse, competitive, and balanced workforce. Our mission is to create a supportive community where women prosper. The WiSTEM Program has events and programs for pre-college and college students.

### PRE-COLLEGE



#### PIONEERING YOUR FUTURE IN STEM

Pioneering Your Future in STEM is a one-day program for fifth–eighth grade girls to explore STEM careers. Participants explore careers that involve critical thinking, experimenting, learning the design process, and using problem solving skills. The day offers hands-on sessions led by UW-Platteville students and faculty. This program is held twice a year, in February and March.

#### WOMEN IN STEM CAREER DAY

Women in STEM Career Day is a one-day program for young women in grades nine–12 to learn about careers that require creative problem solving, encourage forward thinking, make a difference in society, and share the future of our world. The program participants are able to choose four interactive, hands-on activities, led by students and faculty from various STEM programs offered at UW-Platteville. This program is held yearly in October.

#### GIRLS WHO CODE

The Girls Who Code Club is for girls in grades fifth–12. Participants learn how to use computer science to impact the community as well as connect with supportive role models in computer science, cybersecurity, and software engineering. The program uses real-world problems to introduce participants to robotics, app, and web-development programming.



# ACADEMIC ALLIANCE



## COLLEGE



### WOMEN IN STEM LIVING LEARNING COMMUNITY

The Women in STEM Living Learning Community is an interactive and engaging living and learning environment where women build strong personal and academic connections through networking, professional development, and social events. Members live together in the community and have shared classes and therefore can easily form study groups. The WISTEM LLC provides an academic and personal support network for women studying in fields where they are traditionally underrepresented.

### WOMEN IN STEM MENTOR PROGRAMS

Freshmen, sophomores, and transfer students in the **Women in STEM Mentor Program** gain knowledge and experience from junior and senior students while providing mentors the opportunity to develop their time management and leadership abilities. This mentoring relationship fosters academic, social, and professional connections.

The **Professional Mentor Program** provides junior and senior college women students in STEM majors post-graduate life skills to create a smooth transition between college and the workplace. They learn how to succeed in their desired industry and participate in career planning.

### WOMEN IN STEM MENTOR CENTER

The Women in STEM Mentor Center is an inclusive space where women can come together to network, study, and socialize. Features like a kitchenette, dual-monitor computers, collaboration station, and daytime staffing create a supportive and friendly environment for all students. The center is open to all gender identities and expressions.

### WOMEN IN STEM BANQUET

The Women in STEM Banquet celebrates the achievements of women in the science, technology, engineering, and mathematics fields. The event provides opportunities for students to network and make professional connections with industry sponsors. It includes dinner and speeches from graduating seniors. The graduates are recognized by the lead sponsor of the banquet. This event is held in April.

### SOCIETY OF WOMEN ENGINEERS

The Society of Women Engineers is a student-run organization that promotes women in the engineering workplace through professional development, connections with industry, and social activities.

### ASSOCIATION FOR COMPUTING MACHINERY-WOMEN

The Association for Computing Machinery-Women is a student organization that offers connections with other women in the computing fields and industry women. This organization focuses on both social and educational activities.

### SCHOLARSHIPS

A variety of scholarships are available for women. Scholarships are for new and continuing students. The UW-Platteville Foundation and the Women in STEM Program encourages and accepts donations from alumni, individuals, families, and corporations to increase scholarships that will enhance opportunities for women pursuing STEM majors.

For more information on the Women in Science, Technology, Engineering, and Mathematics Program, email [wistemprogram@uwplatt.edu](mailto:wistemprogram@uwplatt.edu) or scan the QR code.



More Information





# ACADEMIC ALLIANCE



**UNIVERSITY OF WISCONSIN PLATTEVILLE**  
 Women in Science, Technology, Engineering and Mathematics Program

The Women in Science, Technology, Engineering and Mathematics Program educates and engages students, parents, and all educators on gender diversity in the science, technology, engineering, and mathematics fields in order to create a more diverse, competitive, and balanced workforce.

## Where women prosper

At the University of Wisconsin-Platteville we want to make sure that all students feel supported and part of a community. The Women in STEM Program does this by offering multiple opportunities to get involved and be connected.

- Living Learning Communities
- Peer Mentor Program
- Yearly banquet to celebrate the accomplishments of women in STEM
- Professional Mentor Program
- Work for Women in STEM Program
- Study and meet other STEM majors in the Mentor Center
- Society of Women Engineers
- Association of Computing Machinery-Women

## Did you know that

- About 50 students work for the Women in STEM Program.
- A "growth mindset" improves success in the classroom and life.
- A diverse workforce is a competitive workforce.
- Women leave the STEM majors with higher grades than men.
- Women who make connections with other women in STEM are more likely to persist in STEM.
- People in STEM fields can expect to earn 25% more money on average and be less likely to experience job loss.



More Information



## STEM: Science, technology, engineering, and mathematics

The Women in STEM Program hosts several outreach programs at UW-Platteville to get girls excited about STEM.

- Women in STEM Career Day (sixth–12th grade)
- Pioneering Your Future in STEM (fifth–eighth grade)
- Girls Who Code (8th grade–12th grade)
- Society of Women Engineers Girl STEM Day

We support and participate in:

- UW-Platteville Engineering, Mathematics and Science Expo
- John Deere Introduce a Girl to Engineering Day

## Did you know that

- Our outreach programs reach around 500 second–12th grade girls.
- Girls and boys perform about the same in math and science.
- Young girls who are able to interact and meet STEM role models are more likely to choose STEM.
- The way we talk about STEM can affect how young girls feel about STEM.
- STEM fields are creative, hands-on, helpful to society, and fun.
- STEM is important because it teaches critical thinking skills and instills a passion for innovation.





# ACADEMIC ALLIANCE



Youth. Adult. College | Undergraduate & Graduate Education | Camps | Clinics  
[www.edu/ce/camps/additional](http://www.edu/ce/camps/additional) | [www.edu/cls/departments/computer-science](http://www.edu/cls/departments/computer-science)

## If tech is your future, You belong here.



University of Wisconsin  
**Whitewater**

Camps & Clinics



College Degree



Grad School





# ACADEMIC ALLIANCE

WAUKESHA COUNTY TECHNICAL COLLEGE

## DISCOVER engaging careers in IT

Get started in the ever-changing world of Information Technology with a degree from Waukesha County Technical College!

Projected to continue to be one of the fastest growing sectors of the world economy, the IT industry employs over six million individuals in manufacturing, banking, retail, finance, transportation, healthcare and education.



### COMPUTER SUPPORT SPECIALIST

*60-credit Associate of Applied Science Degree*

Computer support specialists install equipment, assist users with technology or software issues, troubleshoot when problems arise and serve as a resource for end users. Gain skills in problem solving, team building, service management and interpersonal communication. Become proficient at installing and updating computer operating systems and working with hardware and networks. Those working in IT support roles are tech-savvy problem solvers.

**SKILLS AND TECHNOLOGIES LEARNED:** ITSM, ITEL, WINDOWS 10, MS SERVER, SCRUM, TRAIN THE TRAINER.

### WEB AND SOFTWARE DEVELOPER

*64-credit Associate of Applied Science Degree*

Creating interactive, inviting and functional web applications requires the skills of a web and software developer. Learn to develop software solutions using multiple programming languages, tools and frameworks. Apply design patterns, object oriented analysis and SOLID principles to create robust and scalable applications. Explore web server administration and mobile application development. Prepare for jobs such as application software developer, application programmer, and software analyst or software engineer.

**SKILLS AND TECHNOLOGIES LEARNED:** JAVA, SPRING, C#, ENTITY FRAMEWORK, MVC, JQUERY, MOBILE, JS, REST, SQL, SCRUM.

### DATA & ANALYTICS SPECIALIST

*62-credit Associate of Applied Science Degree*

In the Database & Analytics Specialist program, learn how to support the data needs of small to medium businesses. Gain skills to plan, develop and maintain new and existing databases. Become proficient in SQL development, reporting and data visualization, and database design/data modeling. Gain an introduction to tabular models, data analysis, data analytics and big data. Prepare for jobs such as database administrator, database analyst, and BI Developer and Report Analyst.

**SKILLS AND TECHNOLOGIES LEARNED:** SQL, DATA MODELING, POWER BI, TABULAR MODELS, DATA VISUALIZATION.

Continued on page 2.

*Still in high school?* WCTC's Dual Enrollment Academy provides area high school students with the opportunity to earn college credits while exploring in-demand fields like IT. Learn more at [wctc.edu/dual-enroll](http://wctc.edu/dual-enroll)



WAUKESHA  
COUNTY TECHNICAL  
COLLEGE

Hands-on  
Higher Ed

800 Main Street, Pewaukee, Wisconsin 53072

Equal Opportunity Affirmative Action Employer/Educator



# ACADEMIC ALLIANCE



## NETWORK SPECIALIST

62-credit Associate of Applied Science Degree

Network specialists secure networks, explore cloud computing, create and maintain computer systems essential for day-to-day business operations, ensuring network security and connectivity. Install and troubleshoot network and client operating systems, configure routers and switches, and manage remote clients and devices. Explore cloud security, cost and core services, and understand and implement virtualization in an enterprise.

SKILLS AND TECHNOLOGIES LEARNED: CISCO, WINDOWS 10, MS SERVER, LINUX, SECURITY, VIRTUALIZATION, CLOUD, WIRELESS

## CYBERSECURITY SPECIALIST

63-credit Associate of Applied Science Degree

Cybersecurity specialists implement, maintain and audit the security of an organization's computer networks and systems. Learn to protect data confidentiality, integrity and availability by implementing current real-world technology, processes and procedures. Emphasis is placed on vigilant security awareness, identifying security threats and implementing appropriate incident responses. Students will participate in lab work and content that dives deep into current and trending topics in information security.

SKILLS AND TECHNOLOGIES LEARNED: ETHICAL HACKING, DIGITAL FORENSICS, FIREWALLS, CRYPTOGRAPHY, INCIDENT RESPONSE

## FRONT END WEB DEVELOPMENT

63-credit Associate of Applied Science Degree

Prepare for an exciting career designing and developing websites. Front-end web developers are responsible for creating the visual and interactive elements that users engage with in a web application. HTML, CSS, JavaScript, PHP, user interface design, responsive web design, project management and content management systems are just a few of the topics covered in this program. Our curriculum blends creative design with programming to help you create attractive and functional web applications that ensure a great user experience.

SKILLS AND TECHNOLOGIES LEARNED: PHP, WEB PAGE DESIGN, JAVASCRIPT, USER INTERFACE DESIGN, INTEGRATED WEB DEVELOPMENT

## TAKE YOUR DEGREE FARTHER

Interested in continuing your education at a four-year college or university? WCTC's transfer agreements allow you to transfer credits into bachelor's degree programs at our partner schools, often at junior-level standing. Learn more at [wctc.edu/transfer](http://wctc.edu/transfer)

## Three years, two careers!

WCTC offers several dual degree programs that allow you to earn two in-demand associate degrees in just three years. These programs maximize synergies between programs by sharing resources like faculty expertise, facilities and community programs - saving you both time and money.

Dual degrees available in IT include:

- IT - Network Specialist and IT - Cybersecurity Specialist
- IT - Web and Software Developer and IT - Data & Analytics Specialist
- IT - Computer Support Specialist and IT - Network Specialist

Equal Opportunity Affirmative Action Employer/Educator  
9/10/21



WAUKESHA  
COUNTY TECHNICAL  
COLLEGE

Hands-on  
Higher Ed

800 Main Street, Pewaukee, Wisconsin 53072



**Take Our Survey!**

[bit.ly/AIC-2023-event-survey](https://bit.ly/AIC-2023-event-survey)

Thank you for your input,  
it is greatly appreciated!



#NCWITWI  
**AWARD FOR  
ASPIRATIONS  
IN COMPUTING**  
an NCWIT Award



**Graphic Design Support**

Milwaukee Area Technical College  
Creative Arts, Design, and Media Pathway  
AiC Awards Booklet Designed by Jeanne Salmon