AGENDA

1:15 PM Check-in at the Rotunda Ceremony in the Conference Center

1:30 PM Welcome to this Award Recognition Event
*Cynthia Short, Girls in Tech-MKE*

Welcome from Alverno College
*Angela Frey, Associate Dean of Natural Sciences, Math and Technology*

Recognitions
*Tina Rock, Advanced Hires*

Introduction to NCWIT
*Eva Bradshaw, Regional Affiliate Manager, NCWIT Aspirations in Computing Award*

1:50 PM Keynote
*Kathryn McClellan, Senior Vice President and Chief Information Officer, Froedtert Health*

2:10 PM Student Perspective (Panel)
*Ms. K McClellan and several previous awardees*

2:25 PM Presentation of Educator Awards
*Aaron Chamberlain, New Berlin Eisenhower Middle/High School, Winner
Jim Ferwerda, Mukwonago High School, Honorable Mention*

2:30 PM Presentation of Student Awards
*Cheryl Nowak, American Transmission Company
Qiana Ramsey, We Energies*

3:40 PM Closing Remarks and Evaluation Survey
*Joe Kmoch, NCWIT-WI*

3:45 PM-4:30 PM Photos, food, networking

ABOUT NCWIT

The National Center for Women & Information Technology (NCWIT) is a non-profit community of more than 1100 universities, companies, non-profits, and government organizations nationwide working to increase women’s participation in computing and technology. NCWIT equips change leaders with resources for taking action in recruiting, retaining, and advancing women from K–12 and higher education through industry and entrepreneurial careers.

We believe that inspiring more women to choose careers in IT isn’t about parity; it’s a compelling issue of innovation, competitiveness, and workforce sustainability. In a global economy, gender diversity in IT means a larger and more competitive workforce, in a world dependent on innovation; it means the ability to design technology that is as broad and creative as the people it serves.

Joseph Kmoch
Chair, JK Consulting

Tabatha Frozena
New Resources Consulting

Kate Kaiser
Marquette University

Kathy Lang
Marquette University

John Miller
PDS, Inc.

Cheryl Nowak
American Transmission Company

Qiana Ramsey
We Energies

Tina Rock
Advanced Hires

Laura Schmidt
School District of New Berlin
SPEAKERS

KEYNOTE SPEAKER
KATHRYN McCLELLAN
Senior Vice President and Chief Information Officer, Froedtert Health

Kathryn McClellan, is responsible for information technology strategic planning, implementation and maintenance for all of Froedtert Health. Prior to joining Froedtert Health in August 2017, Kathryn served as Vice President and Chief Information Officer for Memorial University Medical Center in Savannah, Ga. Previously, she was the VP of IT systems, integration, design and implementation at NYU Langone Medical Center in New York. She is respected nationally as a dynamic and innovative executive with more than 25 years of experience in health care, including clinical care delivery, business transformation, business operations, product development, customer service, consulting and information technology management. A certified health care chief information officer, Kathryn earned her bachelor's degree from Valdosta State University, Georgia, and associate of nursing degree from Abraham Baldwin College, Georgia.

NCWIT REPRESENTATIVE
EVA BRADSHAW
NCWIT Aspirations Regional Affiliate Manager

As a Regional Affiliate Manager for the NCWIT Aspirations in Computing Program, Eva supports volunteer affiliate teams’ efforts to recognize young women and their educators. Building connections with the AspireIT program, Academic Alliance member institutions and year-round outreach with underrepresented populations is her focus. She has been an IT professional in higher education for over 25 years, empowering young women in local community after-school programs and mentoring female professionals entering the IT workforce. Eva enjoys sharing her IT career journey with others to encourage them to contribute their unique talents. She lives in Columbus, Ohio and has a strong love for the Ohio State Buckeyes, her husband (John), two grown daughters, and quilting.
**EDUCATOR WINNERS**

**2018 NCWIT-WI WINNER**

**AARON CHAMBERLAIN**  
*New Berlin Eisenhower Middle/High School*

Aaron is a lifelong learner who has a passion for computer science and technology. He graduated summa cum laude from the UW-Whitewater with a BS in Education an math major and computer science minor. He was a US Army Reservist, computer programmer for SCSI, and completed an internship at Blackthorne Capital Management. He began his teaching career at age 35 at Fort Atkinson High School as a math and computer science teacher in the fall of 2013. In the fall of 2016 he began to teach computer science at New Berlin Eisenhower Middle/High School where he teaches eight different computer science courses. In the fall of 2017 he started teaching online computer science courses through Wisconsin Virtual School. He coauthored Five Steps to a Five: AP Computer Science A. Aaron participated in the Pump CS program through Marquette, attended AP Summer Institutes in Louisville and Madison, and presented at the Wisconsin Mathematics Council Annual Conference. He partnered with representatives from Northwestern Mutual to bring an Agile Methodologies pilot to the classroom, and participated in multiple events with area technology businesses and visiting dignitaries including the State Superintendent, Governor, and Speaker of the House of Representatives.

**HONORABLE MENTION**

**JIM FERWERDA**  
*Mukwonago High School*

Jim has been teaching Computer Science and Math at Mukwonago High School for more than 30 years. His professional passion is to enhance student learning by integrating high impact educational practices into his classroom. He was instrumental is envisioning and creating Mukwonago High School’s innovative IT Academy, designed to give students personalized learning opportunities in preparation for IT professions, enhanced by internship and job experiences in the community. During his many years of teaching, he has long advocated for the inclusion of females into IT related fields, and has found the IT Academy an effective tool for increasing female participation in the IT world. When he’s not helping students learn and grow, he might be found in Ghana helping terminally ill or disabled children live better lives through West African Mercy Ministries.
KATHERINE ARGO
National Honorable Mention, Local Winner
Tesla Engineering Charter School

Katherine, a senior at Tesla Engineering Charter School, has been a member of FIRST Robotics Team 93, Elev8 Drone Team, and works as a civil engineering intern with a nearby city. Katherine assists in activities geared towards spreading STEM to middle-school students. She enjoys helping in STEM summer camps, helping with robot demonstrations, and having student shadows. She is leading a $10,000 Lemelson-MIT InvenTeam grant. Her team is creating alternative biofuel briquettes for the Villages of Hope, Zambia, where Katie worked in 2013 and 2016. She enjoys horse riding and practices Krav Maga martial arts. She hopes to study engineering at a four-year university.

ANNA ARPACI-DUSSEAU
National Honorable Mention, Local Winner
2017 Local Winner, Madison West High School

Anna began programming at age seven, using the languages of Scratch, JavaScript, Java, PHP, and C. She has made a rudimentary social network, a variety of Web sites, and several games. Anna loves to teach others about computer science and has worked several seasons as a teaching assistant in a children’s coding class. Anna would like to major in computer science and minor in political science in college. Her goal is to apply computer science in government to improve people’s lives on the nationwide scale. She is looking into gerrymandering and computerized redistricting in the U.S. Anna enjoys tennis, ultimate frisbee, her cat, and camping with friends.

JOANNA BOYLAND
National Honorable Mention, Local Winner
2017 Local Winner, Eastbrook Academy

Joanna attends Eastbrook Academy in Milwaukee, where she participates in Mu Alpha Theta, the Board Game Club, and assists with the middle-school Mythology Club. She enjoys a discrete math and number theory classes through ArtOfProblemSolving.com, and Latin poetry through LonePineClassical.com, where she captains the Certamen team. She attends Girls Who Code, works as an instructor at Mathnasium, plays cello with the group I Cellisti, and has won a Scholastic Regional Silver Key for creative writing. Her favorite annual event is the North American Computational Linguistics Olympiad. After last summer’s Intermediate Programming course at Leap@CMU, the Director asked her to return as a TA. Joanna looks forward to more computing challenges.

SWATI DALMIA
National Honorable Mention, Local Winner
2017 Local Winner, Pewaukee High School

Swati, a sophomore at Pewaukee, discovered her ambition for technology when her father started giving her coding lessons at age ten. Since then, she has completed research into artificial intelligence and machine learning for personal curiosity. She has taken Exploring Computer Science and Programming through Games and Simulations and will take AP classes. She participated in her first computer science competition at Marquette University. She was elected Wisconsin Region Seven Vice President of Future Business Leaders of America and placed fifth in her category of business presentation. Her main goal is to start her own business, preferably with technology. She placed third in the Woodland Tennis Conference.
MARTHA DIX
National Honorable Mention, Local Winner
2017 Local Winner, Shorewood High School

Martha, a junior at Shorewood began her interest in computing and technology when she attended EnQuest, an engineering summer camp at UW-Milwaukee. The following year she took Intro to Computer Science, and joined Girls Who Code. The next summer she attended Marquette University Engineering Leadership Academy. This year she will attend Girls Who Code 2 and helped to start a Girls Who Club at her school. She has placed in many Science Olympiad events, including Computer Programming. This is Martha’s second year as the Web site Editor for the school paper, she is a club and varsity swimmer, Vice President of the Science Club, and a member of National Honor Society, Guatemala Club, and Willow Hill Riding Club.

KIRAN LOEWENSTEIN
National Honorable Mention, Local Winner
2016 Honorable Mention, Oshkosh North High School

Kiran, a National Merit finalist is a lead on FIRST Wave Robotics. She was a Dean’s List semifinalist is active with LGBTQ+ of FIRST, and worked with Chinese students on the Wave Robotics trip in Zhengzhou, China. She is Co-Editor of the newspaper, qualified for state in forensics, does cross country, and works for the High School Democrats of Wisconsin. She did a TEDx talk on Women in STEM and will be doing a FIRST Championship Conference on Diversity and Inclusion. She has an engineering apprenticeship at Oshkosh Corporation and wants to study computer engineering. Her goal is building robots with NASA. She reads every book she can find on space exploration, the Mars rovers, and the history of the space program.

OLIVIA MARDAK-KENNEBECK
National Honorable Mention, Local Winner
2017 National Honorable Mention, Shabazz-City High School

Olivia, a junior at Shabazz in Madison, gained a coveted position with the Informational Technology Academy (ITA). She has worked with multiple Adobe software, and C++. Using JavaScript, she worked with youngsters and their ideas to create an artificial intelligence game. Sophomore year, she developed skills related to making videos. Through ITA she has collaborated with others, making a video. Olivia has placed in many Science Olympiad events. She recorded and edited the video using Adobe Premiere Pro. She has worked with Ableton Live to make music clips. Olivia enjoys taking photos for events and nature. Olivia enjoys learning new computer science skills. She is planning on going to the UW Madison to become an illustrator. Olivia loves to play Ultimate Frisbee.

ALEXANDRA SEMINA
National Honorable Mention, Local Winner
Brookfield Central High School

Alexandra has a passion for music composition and computer science. She dreams of combining these fields to create new music software. Her interests in computer science began in a game development class her freshman year, which led her to take AP Computer Science her junior year and a computing course at Marquette University her senior year. Alexandra writes music daily and has won several statewide contests. Alexandra mentors middle-school girls interested in computing through a Girls Who Code chapter she initiated. In college, she plans to continue encouraging women to pursue computer science.
RACHEL WOODY
National Honorable Mention, Local Winner
2017 Winner, 2016 Honorable Mention, Middleton High School

As an intern at the UW-Madison’s Center for Particle Astrophysics, Rachel helped model data that allows scientists to observe the mysterious insides of astronomical events. At Stanford’s Precollegiate Institutes, she developed neural networks to perform image classification and prediction. Thanks to these experiences and the guidance of Lori Hunt, who teaches AP CS Principles and AP Programming, Rachel is proficient in Java and Python. She imparted her passion for STEM by serving as a leadership intern at an elementary school’s Camp Invention program and earning an NCWIT Aspire IT grant. Rachel is the Director of Academic Tutoring at Middleton. She will continue studying how the human brain can be better understood, enhanced, and restored by machines.

JESSICA SMITH
National Honorable Mention, Local Winner
2017 Local Winner, Janesville Parker High School

Jessica of Parker High in Janesville, WI, has a passion for computer science. She takes AP Computer Science, is a member of Parker’s robotics team, and serves as a volunteer for FIRST Lego League. She has taken several other computer classes. Jessica is also a member of her school’s cross country and track teams, Art Club, National Science Honor Society, and is the Vice President of the Anime Club. After she graduates from college, Jessica wants to be a video game designer.

ANNA ANDLER
Local Winner
2017 Local Honorable Mention
Mukwonago High School

Anna, a junior at Mukwonago High, is inspired to motivate and share her knowledge of computing. Soon after she decided to join her school’s IT Academy her freshman year, Anna became actively involved with her high school robotics team where she leads strategy/scouting, applies her knowledge of Excel, and teaches and revises her teammates code. Anna programs in C++, JavaScript, and Java. She aspires to be a cybersecurity specialist and plans to expand her knowledge in hopes of working for a cause such as the NSA to protect others from cyberterrorism.

LOCAL WINNERS

NAISHA BEPAR
Local Winner
New Berlin Eisenhower High School

Naisha, a freshman at Eisenhower, has been exposed to a variety of coding through Girls Who Code for which she has been involved for four years. She loves coding and technology. She is taking two computer classes. She plans to major in a technological field. She aspires to become an influential figure through her hard work and skills.

MICHELLE BRANECKY
Local Winner
Chesterton Academy of Milwaukee

Michelle, a sophomore at Chesterton Academy, became interested in computer science and engineering through her Dad, who is an electrical engineer. Her interest grew as she became involved in FIRST programs and Girls Who Code. She is still participating in FIRST through the First Tech Challenge robotics club at school. Michelle has been part of Girls Who Code for three years. She will continue to pursue her interest in engineering this summer by attending an engineering camp at a college. Michelle plans to study some discipline of engineering.
Raised by two electrical engineers, Emily has been intrigued by technology since she was young. As soon as she could get her hands on a computer, she eagerly began learning HTML and coding her own blogs. As her interest in coding grew, she began taking STEM classes at her high school including Introduction to Engineering Design, Computer Programming, and AP Computer Science. She participates in TechKNOW, an IT internship course that works with her school's technology department. Through TechKNOW, Emily works with faculty and students to resolve any technological problems and works towards earning industry certifications. After graduating high school, Emily wants to study computer engineering at a four-year university and continue to develop her passion.

Taylor, a sophomore at Kettle Moraine Lutheran, aspires to be one of technology’s next innovators. She has always had a passion for technology. She plans on obtaining a bachelor’s degree in electrical engineering with a minor in Spanish. She loves researching Neurobiology on her own time and wants to create new technology in coordination with it. Taylor is actively involved in her school's math team, forensics team, musical, girls' golf team, and book club. She reads, plays video games, and partakes in photography in her downtime. She attended a fully funded, stay-on-campus engineering summer camp at UW-Madison for six weeks the summer of 2017 and was able to experience college life.

Joceline, a sophomore at Beaver Dam, was introduced to programming on an hands on a computer, she eagerly began learning HTML and coding her own blogs. As her interest in coding grew, she began taking STEM classes at her high school including Introduction to Engineering Design, Computer Programming, and AP Computer Science. She participates in TechKNOW, an IT internship course that works with her school's technology department. Through TechKNOW, Emily works with faculty and students to resolve any technological problems and works towards earning industry certifications. After graduating high school, Emily wants to study computer engineering at a four-year university and continue to develop her passion.

Robyn, a freshman from Menomonee Falls, has been interested in STEM since she was very young. In elementary school she participated by winning her school's science fairs, and competing in FIRST Lego league. She spends her time taking rigorous computer science classes, being a student leader in lower-level computer science classes, and competing in information technology for Future Business Leaders of America. Her main goal is to engage other young women in computer science, and educate peers on the opportunities in computer science.

Jeny, a junior in Baraboo, began her interest in programming her freshman year in a basic App Design class. After discovering a great curiosity for technology, she sustained her interest by taking AP-CSA sophomore year and is now enrolled in AP-CSA. Bilingual in Spanish, she creates projects to help people in everyday life. For example, she created an app that teaches its users how to pronounce common Spanish phrases. She plans to attend the Marquette Java competition. Jeny hopes to pursue a computer science major at UW-Lacrosse and one day use technology to help bring education to those in need.

Halle, a senior from New Richmond, has taken: Introduction to Programming, Computer Applications, Advanced Computer Applications, Web Page Design, Project Lead the Way, Project Lead the Way Computer Science Principles and Engineering, and AP Computer Science. She is President of her school’s Computer Club, in Varsity Academic Decathlon, and plays electric guitar in Jazz Band. She has been accepted and plans to attend Fort Hays State University online college for Computer Science. Her programming focuses on Java, but also programs in Python, HTML, and CSS. One of the favorite programs where she programmed physics equations into using classes, methods, and objects, to solve physics problems.

Andrea, a junior at Craig, has been interested in technology since she was little. She began programming during her Sophomore year. She has taken Programming I & II and is in AP Computer Science A. She plans to take Computer Science AB Java through UW-Whitewater next year. Andrea was accepted into the Columbia University Pre-college summer program for Introduction to Programming in C. Andrea is involved in a FIRST Robotics team that meets at Parker High School in Janesville. She aspires to apply her skills to solving problems in the medical field by using technology. Andrea is considering a double major in biomedical engineering and pre-med to leverage and satisfy her curiosity in technology.
Elena has always been drawn to the nexus between technology and art. Whether it be digital photography or videography, Elena uses these passions to help express her creativity and allow her to explore her environment in front and behind the lens. Elena has been part of the UW Information Technology Academy (ITA) which has exposed her to new and unique opportunities. Through ITA, she has learned multiple programs such as Ableton where she produces music, Premedia Pro in which she improves her cinematography work, and on Adobe Photoshop where she creates intricate artworks and enhances her photography. She plans to attend college to study cinematography or contemporary photography.

Miriam, a senior at Mukwonago, involves herself with FIRST Robotics, policy debate, and band. She started participating in robotics during 4th grade and has now become the Project Manager of her team. Last year, she earned the Dean’s List Finalist Award, which celebrates outstanding student leaders whose passion for and effectiveness at attaining ideals of leadership, entrepreneurship, creativity, technical expertise, and overall contributions exemplar. She knows computer-aided design and C++. She mentors and volunteers for FIRST Lego League, attends STEM advocacy hearings at the state capitol, and appeared on CBS 58 for a segment promoting a robotics competition in Milwaukee. She wants to study Mechanical Engineering.

Muskan, a junior has earned the Green & White Award for Excellence at Wauwatosa West, the Hector Award in the English Department, National Federation of Music Recognition, and the Silver Key Scholastic Art Award. Her future plans include studying Biomolecular Engineering at Milwaukee School of Engineering (MSOE). After college, she would like to focus on genetic engineering and assist other scientists in finding cures to diagnose genetic diseases.

Annika, a freshman at East De Pere, participated in the Verizon Innovative Learning App Challenge with her team and won first nationally by voters’ choice. As the team leader, Annika and her team made an anti-bullying app for reporting bad actions and praising good actions at school. The app provides a digital option to report items at the school store which saves paper. She has given a TEDx talk about overcoming her scoliosis. The talk was live streamed at school and put on YouTube. After she hopes to attend the Massachusetts Institute of Technology, Annika plans to build and design video games.

Leah, a senior at Menomonee Falls, has always enjoyed mathematical thinking and problem solving. Leah has been involved in various computer science courses throughout her high school experience, and plans to continue her computing education at a -year university pursuing both computer science and computer engineering. She already uses her knowledge of computers to improve the community, and is very excited to extend that knowledge to continue her education and build her future. Leah’s ultimate goal is to become a software engineer.

Kayla never thought she would fall in love with computer science until she took her first class sophomore year. Starting with Game Design, following with Web Development, Computer Programming, and an independent course of Web Development Two. Each class gave her a variety of skills that she knew she wanted to use in the future. Education was always in the back of her mind to pursue. She looks up to multiple teachers who have helped her excel and support her decision to pursue education as a profession in the future. She decided to mix these two interests to teach computer science education.

Anja, a 10th grader at Brookfield Central, first got interested in computer science in elementary school. Starting in fifth grade she led a school computer programming club with her Girl Scout troop. In middle school, she continued to grow her interest in programming by participating in a FIRST Lego Team through Girl Scouts and teaching classes to elementary students. In eighth grade, she led a class for girls at two elementary schools in order to get younger girls into engineering and computer science. She participates in a FIRST Robotics team and is excited to continue to learn Java next year by taking AP Computer Science.

Savannah, a University School of Milwaukee senior, first discovered the fun of computer science almost by accident when she signed up for AP Computer Science Principles on a whim. Now enrolled in AP Computer Science A, she manages to find time to explore different programming systems and develop apps. Savannah is involved in a number of other activities, including Student Council, Global Scholars, Operation Dream tutoring, and as President of her school’s International Thespian Society Troupe. She has found ways to combine computing with her love of theatre by implementing online systems to aid in cast communication and ticket sales. Savannah looks forward to using skills learned through computer science to advance her education.
LOCAL WINNERS

MADELINE MORAN
Local Winner
Whitefish Bay High School

Madeline, a junior at Whitefish Bay, enjoys learning coding languages to build Web sites and develop her own knitting Web site. Madeline is very active in school with band, theater, photography, and knitting her spare time. In terms of technological accomplishments, she is particularly proud of her digital drawings and scenery designs with Autodesk and JavaScript, combining technology with expression. Madeline would like to study engineering and/or computer science in college, use technological advances to positively impact the world, finding efficient and logical ways to solve complex problems and global issues.

CASSANDRA NOOYEN
Local Winner
Green Bay Preble High School

Cassandra, a senior at Green Bay Preble, has taken Web site Design, Microsoft Office, Digital Media and is enrolled in AP Computer Science Principles. Her biggest accomplishment was placing eighth in the nation for Future Business Leaders of America which led her to her passion of designing Web sites. Cassandra is heavily involved in music as the clarinet section leader, a part of show choir combo, musical crew, and her church choir. She is on the math academic team, National Honor Society and bible study. Cassandra will attend St. Norbert College next fall for a degree in Computer Science and Graphic Design.

TEJASVI PATURU
Local Winner
Brookfield Central High School

Teja, a senior at Brookfield Central, will be attending Rice University in the fall. She took a couple of math and computer science courses at Marquette University this past fall that peaked in her interest in technology. Previously, Teja was passionate about medicine. Now, she would like to study the application of engineering and computer science in medicine to make medical diagnoses and treatments more accessible to those in third-world countries. She intends to go to medical school Teja's main computer science endeavor is mentoring a group of middle-school girls making an allergy-diagnosing application for Project CS Girls.

LEAH RISHEL
Local Winner
Cedarburg High School

Leah Rishel, a junior at Cedarburg, took an interest in coding when she was young, due to her mother’s job experience with computers. In sixth grade, Leah took a game creation class online, and learned how to create her own mini-games. Now that she is in high school, she is taking computer science and is loving it! During first semester this year, she participated in the Coding Club, which goes to an elementary school and teaches fifth graders how to code. Leah plans to pursue a degree in technology when she enters college.

ANJA SCHWOBE
Local Winner
2017 Winner
New Berlin Eisenhower High School

Anja, a sophomore at New Berlin Eisenhower, enjoys snowboarding, cross country, and the district’s robotics team. A documentary about a FIRST robotics competition sparked her interest in technology. This interest was fueled by learning how to create video games during a summer STEM camp. In addition to programming languages, Anja is fluent in German after attending Milwaukee German Immersion and Milwaukee School of Languages. She continues her German studies through the eAchieve online courses on top of her STEM focused school work. She has aspirations of having a career in aerospace engineering and dreams of attending college at MSOE.

BROOKE SIMMERMAN
Local Winner
Madison Memorial High School

Brooke's passion for computer science began in eighth grade when she first learned HTML. She has continued to embrace computer science by taking Intro to Programming and AP Computer Science. This year she is doing an independent study where she has built a client database and accounting program for a small business. She has participated in a job shadow at Singlewire Software and has accepted a scholarship to attend a summer program, Women in Computer Science at Michigan Technological University. After these experiences she is confident that she can achieve great things while working in the field, where her passion will only continue to grow.

ALLISON THORNTON
Local Winner
Muckwonago High School

Allison, an ambassador of the Mukwonago I.T. Academy, participates in numerous advanced placement courses and job shadows. In 2017 she completed a summer internship. These experiences showed her the countless possibilities within a technologically based career. Her latest project involves creating a Web-based app that compiles a shopping list and tells the customer where these items are located within their local Walgreens. Next year Allison will be attending Purdue University to study engineering and she plans to incorporate her computer science background into her engineering career.
PAYTON TURNER
Local Winner
Middleton High School

Peyton Turner, a senior will be attending UW-Madison in fall. She has had a passion for computer science and technology since elementary school. She has done some fun things like building her own gaming computer. Peyton hopes to declare a double major in computer science and psychology, with the aim of combining them to develop AI or related technology.

GRACE WELLNITZ
Local Winner
2017 Honorable Mention
Waunakee High School

Grace loves programming, math, and logic games. Her coursework includes Computational Thinking, AP Computer Science, and an independent study in SQL databases. She was the only high school student selected to teach Java in a South African school that received computers through a Microsoft-sponsored program. She is a teaching assistant in Computer Science, a Tutor for STEM and business coursework, and the Founder and Student Advisor of a middle-school coding club. Grace has won awards for public speaking and leadership. She plays soccer, studies astrophysics, and works at the Piggly Wiggly. She looks forward to a career solving problems through programming, increasing efficiencies, and bridging the gap between technical and non-technical teams.

KHRYSTYNA YADVINSKA
Local Winner
Baraboo High School

Khrystyna, a multilingual junior has been to two Marquette University programming competitions and earned Most Create Coder. Khrystyna is preparing for Cyber Patriot competitions with her teammates. Competing in “Project Boolean” was her first competition of the 2017-2018 school year. She has taken at least one computer science class every semester and is enrolled in AP-CSA. She fixes laptops and helps teachers facing technology problems in her Tech Support Independent Study. She intends to apply to UW-Madison and major in computer engineering.

JADE YANG
Local Winner
2017 Honorable Mention
Sun Prairie High School

Jade, a senior in Sun Prairie, is curious and loves reading, being involved with clubs, experimenting in the kitchen, and dreaming about the future. Jade is one of four children. Her Hmong parents immigrated 40 years ago. She became interested in computer science when she discovered Codecademy learning different coding languages. She became the designer of the Chinese Club Web site at her school, and a member of Chromebook Club fixing Chromebooks. Jade is also taking an independent AP Computer Science A class. Jade will attend Iowa State to study software engineering with a minor in management information systems.

SIERRA WINTER
Local Winner
2017 Local Honorable Mention
Mukwonago High School

Sierra, a senior at Mukwonago, has been pursuing computer science since freshman year when she joined her school’s IT Academy. She is involved in Key Club and National Honor Society. Her main interests are both in back-end and front-end development. She has experience in C++, HTML5, Visual BASIC, CSS, Java, and JavaScript. She is enrolled in AP Computer Science A, and has taken eight computer-focused classes. Over the summer, she was an intern at Northwestern Mutual where she applied her skills. Her hobbies include photography, writing, and listening to music.
Grace Berrien, a senior at the University School-Milwaukee, began her interest in the technological world in elementary school, when she attended numerous Lego Mindstorms classes and engineering workshops at Marquette. She has completed Applications in Computing, and Big Data and AP Computer Science Principles and is now taking AP Computer Science A. Grace continues to pursue computer science in outside opportunities, finishing numerous edX classes on Python and data analysis over this year. She hopes to study computer science next year and plans on getting involved in finance, perhaps through data analytics.

Faith, a freshman at New Berlin Eisenhower, began working with computers when she took Exploring Computer Science in eighth grade and AP Computer Science Principles the following year. Her major accomplishments include being elected freshman class Vice President, Scrum leader in a project partnered with Northwestern Mutual, a Where Everyone Belongs Leader (students who help seventh graders adjust to their new school), Co-Captain of her Forensics team, and Marketing Director for her school’s Rise Against Hunger Committee. Her goal is to graduate from UW-Madison. Although she has a strong interest in computer science, she plans on being a pharmacist after college.

Tea, a sophomore at Pewaukee, found her love for technology in middle school when she took a multimedia class that sparked her interest to explore other forms of technology like animation and programming. This resulted in taking Exploring Computer Science and Programming through Games and Simulations. A technical accomplishment was placing seventh in a Future Business Leaders of America competition for 3D animation. Tea will be participating in the 3D animation competitive event and exploring Python and Alice. During the rest of high school and in college, Tea wishes to explore careers in computer programming and graphic design.

Lauryn, a member of the Lac du Flambeau Band of Lake Superior Chippewa Indians is a sophomore at Lakeland Union. She is active in volleyball, Student Council, Art Club, Spanish Club, National Honor Society, ITA/TTI, and People-to-People World Leadership Council. Her goals are to graduate from UW-Madison with a degree in Interior Design, photojournalism and a-t. Lauryn’s biggest accomplishment date is her acceptance into the ITA/TTI Program with UW-Madison.

Ellawyn has a passion for math and logic, which translates to programming and technology. In 2016 she placed second in the Capital City Conference Varsity Math Meet and first in the Junior Varsity Math Meet. She has taken Project Lead the Way(PLTW) Computer Science Software Engineering, where she learned how to program in Python, 3D printing, and a Java-focused PLTW-AP Computer Science A. She’d like to work with her love of math and computer science.

Jazzmine, a sophomore at Madison East is proud to be accepted in to Information Technology Academy. She’s not sure what she wants to do but she’s leaning toward an artistic future like fashion illustration and stylist. She has won the Humanitarian Award several times and has also won the Barack Obama Award. Jazzmine has taken a computer apart and reassembled it. She has designed two Web sites and taken a photography course, where she took and edited her pictures. She has taken a sound design course and made multiple songs.

Julianna, a junior at Janesville Parker is first in her class. She started computer science as a freshman and has taken Advanced Computer Science AB, and planning to take AP Computer Science Principles next year. She passed the AP Computer Science Exam. She is in Computer Club. Julianna is involved in a FIRST Robotics team and attends multiple competitions. She volunteers with a local FIRST LEGO League team. Her FIRST robotics team has also hosted FIRST LEGO League regional, sectional, and state competitions. She is planning to pursue a STEM-based career.

Katie, a junior at the University School-Milwaukee is active in the school’s House of Technology. Last year, she presented at the 2016 International Online Student Technology Conference, and will be presenting this summer at the 2017 International Society for Technology in Education Conference. With her brother, Katie won the Future Engineer Award sponsored by the Milwaukee School of Engineering and second place in the Engineering category at the 2017 Badger State Career Fair. Katie is taking AP Computer Science and enjoys coding and repairing devices, including her cracked cell phone screen and the hard drive cable in her computer.
Samaaya, a senior at Brookfield Central, took her first programming course this year, AP Computer Science. As it introduced a new and exciting challenge for her, she thoroughly enjoyed it and knows her life will be affected by this interest. Mariam is involved in various leadership positions such as part of the Executive Board where she's the first, Vice President of Community Service for DECA, and the Business Manager for the Tyro school newspaper. She hopes to develop her skills in programming and pursue a career that integrates computer science and business, with sights set on becoming an entrepreneur.

Carrie participated in a FIRST Robotics team that competed at the national level. She helped program a robot to follow commands from remote and autonomous programs. She took an online programming course her sophomore year. A computer science course was added the next year because her interest in the course convinced the teachers to implement a class for everyone. She wants more people to have the chance to get into computer science. After high school, Carrie wants to attend UW-Platteville to major in mechanical engineering and minor in computer science. She aspires to join a computer forensics team.

Marissa, a senior at Mukwonago, is a three-year member of the IT Academy at Mukwonago and this year, is an IT Academy Ambassador who helps explain the IT Academy to prospective students, parents, the school board, and business partners. She had an internship working this past summer at GS Global Resources. Marissa is on the Junior Varsity(V) dance team and has been Captain where she helped lead her team to be JV Kick State Champions. She is in a competitive dance company that has won many awards. Marissa would like to study computer science and computer engineering in college.

Kate, a Junior at Eisenhower, first learned about computer science in eighth grade science when she was exposed to Code.org and learned CSS and HTML. Since then she has taken a variety of computer science courses and is enrolled in Computer Science A. She is excited to further her knowledge in Java and other programming languages and outside of school. She plans to attend college and hopefully combine business, community service and computer science in her future career. She is a leader at her school in student government and DECA where she has been given the opportunity to inspire other students to become future leaders using technology.

Maisey has always had a certain knack when it came to working with technology and computers coming naturally to her. She became involved with computer science in high school, when she created her own code for a Web site, and is now in AP Computer Science. She created the school’s student section theme pages. Maisey is planning on attending University of Colorado- Boulder in the fall to study engineering and business. She would like to run her own business one day.

Raquel, a junior at Parker got involved in computer science in eighth grade after meeting a high school Computer Science teacher. Since then Raquel has taken Programming I, Programming II, and AP Computer Science. Raquel is taking Computer Science AB Java through UW-Whitewater. She is on the FIRST Robotics team 3692 and on the programming team and the electronics team and a lead scout on team 3692. Raquel plans on majoring in computer science.

Breanna, a junior, aspires to be a software engineer. Through the many STEM courses, she has learned to code in many languages including Python, HTML, Game Maker, and MIT App Inventor. She is very familiar with Word, PowerPoint, Access, and Excel. Breanna hopes to major in computer science. To date, one of her greatest accomplishments was being nominated for the National Academy of Future Scientists and Technologists Award of Excellence in 2017. Breanna is very excited to broaden her knowledge in technology and computers.

Rucheng, a freshman at Brookfield East became interested in computer science a few years ago when she joined the Marquette chapter of Girls Who Code, and learned Python, HTML, C, CSS, and JavaScript. Although it was her first-time programming, she loved the challenge of coding in different languages and discovered a passion she never knew she had. She took AP Computer Science this year and enjoyed the challenge of learning Java. Rucheng hopes to become a computer science major in college and to create a start-up. Outside of programming, she enjoys swimming, writing, playing basketball, and running.
Anouska, a junior at Brookfield East, was first exposed to computer science in her sophomore year when she signed up for AP Computer Science. After a semester she enrolled in computer science competitions hosted by Marquette University and the Milwaukee School of Engineering. IAs a junior she took Data Structures at Marquette and created a basic medical tracking application using Java. Anouska writes mostly in Java but wants to learn a variety of languages. She plans to go to college and is considering engineering.

Hannah enjoys math and programming, looks for opportunities to learn new skills, and use the ones she already knows. Hannah takes part in First Tech Challenge. She has used her programming skills to write code for a robot and used CAD for 3D print parts. Her robotics team has gone to state competition the last two years. She tutors her friends in math. Hannah plans to go to college and is considering math teaching, an actuarial career, or engineering.

Paige, a senior at Seymour, has been a member of Information Technology Academy (ITA) since 2015. During her time in ITA, she worked with coding, a variety of Adobe software, and editing videos. For her ITA internship, she worked at Oneida Health Center to learn about medical technology and systems used for patient records. Paige is in Future Business Leaders of America where she designed a mobile application to inventory library books. Her goal is to get more women involved in STEM. She plans to attend UW-Madison, and major in management and human resources.

Emma, a senior at New Berlin Eisenhower, has taken multiple computer science courses in high school including computer programming, Project Lead the Way, Intro to Engineering and Computer Science, AP Computer Science A, and Data Structures at Marquette. Her main goal is to help people in as many ways as possible through technology. The growing field has the ability to touch and affect a vast amount of people, so, she would like to use her knowledge and passion to help make lives better. She plans to attend St. Thomas major in computer science.

Rebecca has spoken at a professional conference to teach young girls and boys about computer programming. She taught them to use Lua to control robots in Minecraft. Rebecca would like to speak at additional conferences along with speaking to more young girls about the world of programming. She has studied Python and Java. She has also worked on Web design using HTML, CSS, JavaScript and PHP. Rebecca has helped at Kettle Moraine High School’s computer help desk updating software and fixing computers. started her college search.

Giana, a junior at Menomonee Falls, took her first technology class as a freshman to try something new. She loved the class and continued to progressively more difficult computer science classes, including Visual BASIC, App Inventor, and AP Computer Science Principles. In college, Giana plans to explore Forensic Computer Analysis. She would like to double major in Computer Science and Criminal Justice, and minor in Italian. Her ultimate goal would be to work with the FBI in the area of cyber-crimes. Giana plays percussion in her high school Wind Symphony and performs with the Italian Dance Group of Milwaukee. She also loves to read and play the piano.

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Melissa, a 10th grader at New Berlin Eisenhower has taken a variety of computer science and engineering classes including several AP classes. She has learned multiple coding languages and has used her knowledge to help build and design a Web site. Melissa has competed in several STEM competitions including Science Bowl and Opportunity conferences at MSOE. She was the only female student who represented the state of Wisconsin at the National Science Bowl Competition in 2016. Melissa is active in numerous extracurricular activities including HOSA, DECA, Forensics, Science Team, dance, and tennis. She plans on majoring in biomedical engineering and minorin computer science in college.

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We would like to congratulate the winners and honorable mentions for this year’s Aspirations in Computing awards!

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