

For Inspiration and Recognition of Science and Technology

## Poway High School – FRC Robotics Team 1622

**SWENext Global Innovator Award: Sara Wilson**  
(One of 6 Students Nationally)

**SWENext Community Award: Madalyn Nguyen & Abigail Nguyen**

**NCWIT Award for AiC Recipient: Madalyn Nguyen**

**SWENext Clubs Best Practices: Poway High School SWENext Club**  
(Out of 250 SWENext Clubs Nationally)



Please Congratulate the Poway High School's, SWENext, Spyder NCWIT, and FIRST Robotics Students:

**The SWENext Global Innovator Award (Sara Wilson)** recognizes the outstanding young women shaping the future of SWE by developing an engineering identity in themselves and others. Award recipients exemplify intellectual curiosity, enthusiasm, and leadership in the STEM community. These students demonstrate a commitment to bettering the lives of women in STEM, volunteer in outreach initiatives, and are pursuing a career in engineering.

This is the ultimate award a SWENexter can receive and is comparable to the Outstanding Collegiate Award. Only six students receive this award worldwide.

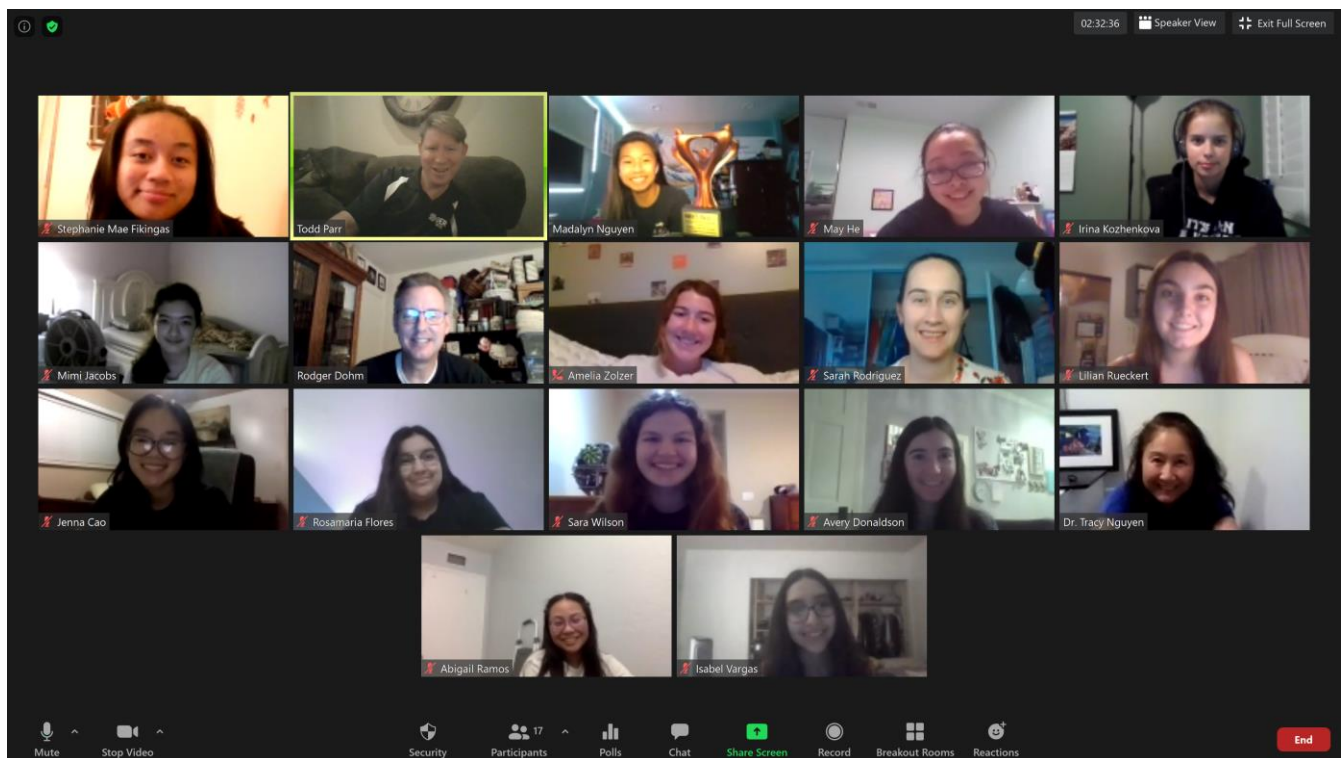
SWE is in more than 60 countries and has a network of more than 40,000 members worldwide to help women along their engineering journey.

## SWENext Community Award (Madalyn Nguyen & Abigail Nguyen) Project Presentation Title: 21st Century Protection for Cyber Attacks or Identity Theft



This Award Program emphasizes the impact SWENexters can have in their communities to solve real-world problems. This award also stresses the interconnectedness of the SWE Community and gives awardees a chance to interact with SWE members, companies, and colleges. On September 26, 2020, Madalyn successfully presented at the first virtual SWENext Community Award Poster Symposium where award winners were able to present their posters on how they would respond to a cyberattack in New Orleans to SWE professionals and Collegiates.

## SWENext Clubs Best Practices: Poway High School SWENext Club (Out of 250 SWENext Clubs Nationally)



The SWENext Clubs Best Practices Award recognizes an outstanding SWENext Club that has developed and hosted STEM outreach events to further the SWE mission of engaging K-12 community in engineering through hands-on activities and mentorship. In our second year of the club, PHS SWENext is proud to be the recipient of the highest honor of all clubs for the impact in advancing the mission of SWE.

## NCWIT Award for AiC Recipient: Madalyn Nguyen



Madalyn Nguyen, Founder and President of Spyder NCWIT, is a 2020 Greater San Diego Affiliate Rising Star recipient of the NCWIT Award for Aspirations in Computing! The Affiliate selected her for this award based on her demonstrated aspirations in computing and technology and efforts in advancing the mission of NCWIT.

The National Center for Women and Information Technology (NCWIT), is a community active and in support of over 15,000 technical women providing Internships and career opportunities, networking and professional meetups, social media groups and countless other special activities.

A personal thank you to CTE, Poway High School, PUSD, the PUSD Board of Education and the many parents/mentors that help the students to be successful.

We would also like to thank our sponsors: Monsanto Fund / Evolution Controls Inc. / ViaSat / BAE Systems / Qualcomm / General Atomics Aeronautical Systems Inc. / General Atomics Sciences Education Foundation / Northrop Grumman / Palomar Technologies / Leidos / SES Secure E-Waste Solutions / Booz Allen Hamilton / Lockheed Martin / DoDSTEM / Intuit / PTC / Raytheon Integrated Defense Systems / WestAir Gases & Equipment Inc. / TechFlow / City of Poway / Malgorzata Couture / ABB Inc. / Poway High School and PUSD for their generous donations and support, allowing the PHS Robotic students to compete this year.

A personal thanks goes out to the volunteers and mentors for their countless and tireless hours that they put into making the team successful.

For more information regarding SWENext go to: <https://swe.org/k-12-outreach/swenext/swenext-clubs/> For more information about NCWIT go to: <https://www.ncwit.org/> FIRST Robotics go to <https://www.firstinspires.org/> and visit our website at <http://www.teamspyder.org/>

### For more information contact:

Rodger Dohm  
Poway High School - Instructor  
Engineering Academy / Pathway  
Poway High School Robotics  
Robotics Head Coach  
FRC/FTC Team Spyder 1622  
SWENext/NCWIT Co-Advisor  
[rdohm@powayusd.com](mailto:rdohm@powayusd.com)  
(858) 748-0245 x.5307

Todd Parr  
Poway High School – Instructor  
Engineering Academy / Pathway  
Poway High School Robotics  
Robotics Assistant Coach  
FRC/FTC Team Spyder 1622  
[tparr@powayusd.com](mailto:tparr@powayusd.com)  
(858) 748-0245 x.5306

Dr. Tracy Nguyen  
Business & Outreach Mentor  
Poway High School Robotics  
FRC Team Spyder 1622  
SWENext & NCWIT Co-Advisor  
[drtnghuyen00@gmail.com](mailto:drtnghuyen00@gmail.com)