



SHAYNE N. CONNER

FUTURE ENGINEER

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PERSONAL PROFILE

A dedicated high school student with hands-on experience in robotics and computer aided design, and a passion for learning and STEM. Seeking volunteer and internship experience in physics or engineering fields.

AWARDS

DesignLab Community Engagement Challenge— Finalist 2020

Team Leader; Competed and won a \$1000 grant to host a STEM-based, anti-stress workshop to students..

STEM In Action: Innovator— 2019
SWENext award for significant impact on the local STEM community, and for mentoring girls in robotics

Northrop Grumman SWENext Community Poster Award— 2019
Award winner for program to get more girls interested in STEM

FTC Dean's List — Finalist 2019
Prestigious award for leaders in STEM. 3 finalists advance from the San Diego region interviews

SWENext Influencer Finalist & HS Leadership Academy — 2019
(High School Leadership Academy)
Females chosen based on their leadership, dedication and commitment to the community

Global Innovation Award— San Diego Region — 2017
Middle School Team, San Diego region finalist; award given to teams with exceptional projects to better the community using innovative solutions

EXPERIENCE & LEADERSHIP

FIRST ROBOTICS

FIRST Tech Challenge (FTC) | 2017- Present

- 2019 Team Captain, The Robopuffs
- 2018 Head of Hardware & CAD
- Leading the team's direction and strategy, fostering a business environment, designing, building and coding robots for team competition.
- Led and instructed 3 FTC robotics workshops

FIRST Lego League (FLL) | 2013- Present

- Taught over 10 FLL software workshops for elementary and middle school students
- 2017 Team represented the US in the FLL North American Open
- FLL Mentor/Coach 2015-2019
- Official mentor of all-girls middle school team and elementary school team
- Lead and manage teams of 6-10 students and inspiring their passion for robotics
- FIRST Lego League Project Judge
- Carlsbad Educational Foundation FIRST Lego League Showcase Judge
- Trainer for ThermoFisher volunteers

COMPUTER AIDED DESIGN

SOLIDWORKS | 2017-Present

- Beginning, Advanced SOLIDWORKS Class
- Skills include part modeling, assemblies, drawings, weldments, sheet metals
- SOLIDWORKS Certificate for Mechanical Design- Associate, 2017

SOCIETY OF WOMEN ENGINEERS

SWENext | 2019 - Present

- CHS Women in STEM/ SWENext Club Founder and President
- Fostering the next generation of girls in STEM and being a role model to females
- SWENext Student Committee: helping with misc. SWENext tasks, connecting HQ to the high school public and clubs
- SWENext Social Media Maven: creating instagram content for the official SWENext account

ATHENA RACING

Team Member and Spokeswoman 2020- Present

- Member of the inaugural team
- Furthering experience in Driving, Mechanics, Safety, Wellness, Marketing, Entrepreneurship, Photography, Leadership, Etiquette, & Public Speaking.
- Networking with industry, representing and promoting Athena, connecting at outreach events, and expanding leadership skills.

EDUCATION

CARLSBAD HIGH SCHOOL **Expected graduation June 2021**

- GPA weighted 4.19
- GPA unweighted 4.0
- Honor Roll
- California Scholarship Federation
- Carlsbad Academy Internship

SKILLS

- Leadership
- Teamwork
- Robotics
- Electrical Engineering
- Computer Aided Design: SOLIDWORKS
- Coding Languages: Java

COMMUNITY SERVICE

- Over 305 total hours of community service, 2017-Present
- Over 220 hours of STEM-related community service, 2017- Present
- Over 150 hours of robotics volunteering, 2015-2017