

Skills

DESIGN

- ▶ 3D CAD
- ▶ Rapid Prototyping

SOFTWARE

- ▶ SolidWorks
- ▶ Fusion 360
- ▶ MS Word, Excel, PowerPoint

PROGRAMMING

- ▶ Microsoft VBA
- ▶ MATLAB
- ▶ C++
- ▶ Swift

Activities

- ▶ **National Association of Engineering Student Councils:**
West Regional
Technology Coordinator
2020—Present
- ▶ **CPP Engineering Student Council:**
Commissioner-At-Large
2020—Present
- ▶ **FIRST:**
Asst. Tournament
Director, Mentor
2016—Present

Awards

- ▶ Eagle Scout (2017)
- ▶ 29th Congressional District Outstanding Service Award (2018)

Education

Cal Poly Pomona — Expected graduation May 2022

*B.S. in Mechanical Engineering (BSME), Music Minor; GPA: 3.87
CPP Dean's List and President's list*

Relevant Coursework: Mechanics of Materials, Vector Dynamics, Computer-Aided Computations, Manufacturing Systems and Processes

Delphi Academy of Los Angeles — Graduated 2018

Honor Roll (2018), Dragonheart Service Award (2018); GPA: 4.0

Student Government Vice President (2016-2018), Computer Science Instructor (2016-2018), FIRST LEGO League Mentor (2014-2018), Commencement Performance Director (2018)

Experience

CPP Robotics Club

Vice President, 2020—2021

Successfully led a team of 12 officers in moving our approximately 150-member club online and in developing a new kit-based project for the online format. Developed basic ROS code as a part of the Simultaneous Localization and Mapping (SLAM) Bot team to enable a robot to map its surroundings via LIDAR.

Apple, Inc.

Engineering Technology Camp, 2017

Selected as one of 25 students nationwide for an intense four-week program at Apple's headquarters in Cupertino. Used Fusion 360, Arduino, and Swift to create a working hardware product and companion iOS app and presented the results to Apple executive Dan Riccio.

FIRST Robotics Competition Team 980

Mechanical Design and Prototyping, 2012—2018

Prototyped and designed chassis and manipulators on award-winning robots, including LA Regional finalists in 2014 and 2018. Worked with and led small groups of around 4-5 student peers to model and draft designs for manufacturing using SolidWorks in six-week build timeframes. Won multiple awards, including the 2018 Los Angeles Regional Chairman's Award.