

## Education

### UCLA

B.S. Electrical Engineering 2019

- Intro to Eng Design, Systems and Signals, Circuit Theory I, Digital Design (Comp by June 2017)
- Intro to Computer Science I (C++), II (C++)

## Skills

**MOST EXPERIENCED:** C++, Java

**COMFORTABLE:** HTML/CSS, Git

**LANGUAGES:** English, Spanish

## Employment

### QUALCOMM

Software Engineer

San Diego, CA

Jun 2016 to Sep 2016

- Updated drone camera software to the latest API in Java using Android Studio
- Worked on a team to produce a consumer product using QC design processes

## Projects

### IDEA HACKS 2017: CYCOOL

Jan 2017

- Designed and created a smart bike using Microduino MCUs in C and TI's ultrasonic range sensor
- Integrated and prioritized features for the front and back of the bike based on time constraints and practicality
- Brainstormed a concept and completed the project within 36 hours and won Microduino's Best Hack prize

### STAR TREK DOOR

May 2016

- Built a password safe door that opens automatically after a user enters correct motions on an Android device
- Created the front end and back end of the Android app so that it was compatible with the bluetooth device connected to the motor
- Designed the door with PVC pipes and elbow connectors with a lightweight door frame for low cost and simple construction

### IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS): NATBUS

Mar 2016 to Jun 2016

- Built a line following robot using IR sensors and an Arduino UNO
- Contributed to the mechanical structure of the vehicle and integrated PID control to guide it through the course
- Worked on a team of three to complete the project, resulting in second place in the club's competition

### IDEA HACKS 2016: MYO MUSIC.

Jan 2016

- Worked on a team of five to create a "Garage-Band" website using HTML/CSS and JavaScript
- Added feature that created images based on the users motions

## Leadership and Activities

### WATT (WOMEN ADVANCING TECH THROUGH TEAMWORK) · External President and Co-Founder

Jan 2016 to Current

- Founded IEEE WIE division at UCLA to focus on outreach, retention, mentorship, and social awareness
- Organized events, held meetings, elected officers, and worked with the department and industry representatives
- Collaborated with other engineering groups on campus to create a more unified engineering community

### IEEE · Corporate Relations Chair

May 2016 to Current

- Build strong corporate relationships with tech companies and organize infosessions to help students gain career knowledge
- Lead the IEEE corporate team that helps raise funds for IDEA Hacks, which is the largest hardware hackathon on the West Coast
- Work with the EE department to help increase engagement with industry

### NG INNOVATION TEAM CHALLENGE · Team Captain

Dec 2012 to Mar 2015

- Designed and built a self-deployable sunshade for a space telescope application in 2012
- Constructed a "Lighter than Air" remote controlled airship that traveled through a 3D course with gates with varying heights in 2015
- Led a technical engineering project while overseeing the mechanical, electrical, and logistical components of the project
- Awarded \$2500 for our school for winning first place against nine other high schools in 2012 and 2015

## Awards

### NORTHROP GRUMMAN SCHOLARSHIP

Jun 2015

- Awarded scholarships for four years

### RENSSELAER POLYTECHNIC INSTITUTE MATH AND SCIENCE MEDAL

Jun 2014

- Top math and science student in junior class of high school