

Education

UCLA

B.S. Electrical Engineering 2019

- Intro to Eng Design, Systems and Signals, Circuit Theory I and II, Digital Signal Processing, Logic Design of Digital Systems, Intro to Digital Design Laboratory, EE Probability and Statistics, Communication Systems, Principles of Semiconductor Device Design, Engineering Electromagnetics, Lasers in Biomedical Applications, Principles of Feedback Control
- Intro to Computer Science I (C++) and II (C++), Discrete Math, Computer Organization, Computer Networks: Physical Layer

Summary

- Looking for a Hardware, Software, or PM Full-Time starting August 2019
- Help build tomorrow and make a difference in the world
- Represent women in the engineering field and inspire others

Skills

MOST EXPERIENCED: C++, C

COMFORTABLE: HTML/CSS, Git, Verilog, Python, SQL

LANGUAGES: English, Spanish

Employment

TESLA

Energy Products Engineering Intern

- Using Python and SQL to analyze data to determine the best electrical design and optimize the power produced and used by the Powerwall and the Home Load
- Creating dashboards to visualize the success and failure of the fleet of Powerwalls based on their power output performance and firmware update consistency
- Modifying the firmware to push a unique log from the Powerwall's gateway to DataTank where we can perform analytics to better solve problems occurring in Powerwalls

Palo Alto, CA
June 2018 to Current

MICROSOFT

Explorer Intern- Cloud and Enterprise Security

- Created a dashboard that recorded and displayed data from a security web-application to analyze how users navigate the app
- Used JavaScript and Python to send data from the application to an APM and wrote queries which would then render graphs displaying the data

Redmond, WA
June 2017 to Sept. 2017

QUALCOMM

Software Engineer

- 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

San Diego, CA
June 2016 to Sept. 2016

Projects

IDEA Hacks 2018: Less Stress Dress

- Developed a smart closet for visually impaired people that helps them get dressed in the morning based on the weather of a specified location
- Utilized an Arduino to create an algorithm for the outfit selection based on live weather data and a continuous motor to actuate a model closet
- Won second place out of 41 participating teams after presenting twice to an array of judges from industry

Jan. 2018

FPGA Poker

- Worked with a partner to simulate a poker game using the Xilinx Nexys 3 FPGA board, attachable 7-segment displays, and the VGA display port
- Coded in Verilog to simulate the game and pseudo-randomized the hands for the players and the community deck using LFSR

Nov. 2017 to Dec. 2017

Idea Hacks 2017: Cycool

- 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 to win Microduino's Best Hack prize

Jan. 2017

Star Trek Door

- 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

May 2016

IEEE (Institute of Electrical and Electronics Engineers): Natbus

- 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

March 2016 to June 2016

Leadership and Activities

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

- Founded IEEE WIE division at UCLA to focus on outreach, retention, mentorship, and social awareness
- Organize events, hold meetings, elect officers, and work with the department and industry representatives
- Created a Big Sister Little Sister program with a nearby middle school to inspire younger girls to pursue a career in engineering

Jan. 2016 to Current

IEEE, Corporate Relations Chair

- Built strong corporate relationships with tech companies and organized 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
- Worked with the EE department to help increase engagement with industry

May 2016 to May 2017

Awards

NORTHROP GRUMMAN SCHOLARSHIP

- Awarded scholarships for four years

June 2015

RENSSELAER POLYTECHNIC INSTITUTE MATH AND SCIENCE MEDAL

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

June 2014