

## SUMMARY

Junior level Electrical Engineering student looking for a Software Engineering internship position. Experienced in robotics/automation and in developing web apps & software tools

## EDUCATION

### UNIVERSITY OF CALIFORNIA – LOS ANGELES

B.S. Electrical Engineering 2018

GPA: 3.90/4.00

### CITY COLLEGE OF SAN FRANCISCO

Engineering Transfer 2016

GPA: 4.00/4.00

## RELEVANT COURSEWORK

- Object Oriented Programming (C++)
- Data Structures & Algorithms (C++)
- Introduction to Computer Organization (In Progress)
- Software Construction Laboratory
- Probability and Random Processes
- Logic Design of Digital Systems

## SKILLS / TECHNOLOGIES

**EXPERIENCED:** C/C++, Arduino, ARM mbed

**USED BEFORE:** Javascript, HTML, CSS, Python, MATLAB, Git, Visual Studio, Linux/Windows Environment

## PROJECTS

### HOT MEALS – LA HACKS 2017 *(HTML, CSS, Javascript, Node.js, Angular.js)*

Apr 2017

- As a team, created a platform that directed the hungry to the nearest food banks and participating food places
- Implement the map interface, designed pages using CSS, and integrated pages into the Angular framework.
- Awarded “Best Civic Hack” by the City of Los Angeles

### MICROMOUSE ROBOT *(Coded in C++, ARM mbed, Designed in EAGLE)*

Sep 2016 – Mar 2017

- As a team, built and programmed a robot that navigates through the fastest route in a maze
- Implemented software for motor control, sensor interfacing, PID feedback control and maze solving algorithm
- Fastest robot in internal club competition

### BRUIN NAV *(Coded in C++)*

Mar 2017

- Created a turn-by-turn navigation system that presents the shortest route for trips within Los Angeles
- Implemented path-finding algorithms and optimal data structures for quick query processing
- Among the top 5% scorers out of 400 students

### BUGS! *(Coded in C++)*

Mar 2017

- Created an ant colony simulation game that can be modified using a custom language called “Bugs”
- Utilized efficient object oriented design to maximize code reuse and minimize loading times

### BRUINWALK BROWSER EXTENSION *(Coded in Javascript, CSS, HTML)*

Dec 2016

- Created a Google Chrome extension that adds professor ratings and final grade distributions to class listings in UCLA registration pages
- 2700+ weekly users and rated 5.0/5.0 stars in Chrome Store Page

## LEADERSHIP / ACTIVITIES

### SENATOR

Sep 2015 – Apr 2016

Associated Student Council, CCSF- Ocean

- Managed public relations campaign that increased student council election voter turnout by 1000%
- Communicated student body issues to administrators and to other students