

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
- Implemented 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