

SUMMARY

Junior level Electrical Engineering student looking for a Software/Electrical Engineering internship position. Experienced in robotics/automation, circuit design, and development of 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++)
- Signals & Systems (MATLAB)
- Circuit Analysis
- Engineering Electromagnetics
- Logic Design of Digital Systems
- Probability and Statistics in EE (MATLAB)

SKILLS / TECHNOLOGIES

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

USED BEFORE: Javascript, EAGLE, Visual Studio, Linux/Windows Environment, Python, MATLAB, Multisim, HTML, CSS

PROJECTS

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 PID controller systems and maze solving/navigation algorithms
- Designed & optimized schematics & PCB layout with carefully researched parts
- Fastest robot in internal club competition

BRUIN NAV *(Coded in C++)*

Mar 2017

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

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

SMART BARBELL COLLAR – IDEAHACKS 2017 *(Coded in C++, HTML, CSS)*

Jan 2017

- As a team, built an MSP430 based prototype for a barbell attachment that communicates with a weightlifter's smart phone to help them maintain proper form during workouts.
- Top 9 finalist

MUSIC VISUALIZER *(Coded in C, Designed in EAGLE)*

Nov 2016

- Designed and built an Arduino controlled device that performs spectrum analysis on an input audio and displays the results on an LED matrix

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