# CourseWork

EE3: Introduction to Electrical Engineering CS33: Introduction to Computer Organization

Phys1C: Electrodynamics, Optics, and Special Relativity CS32: Introduction to Computer Science 2

# Experience (Clubs)

VEX Robotics, Mentor and Competitior, Armijo High August 2014 – June 2015

* Responsible for the autonomous and user-control programming of a high performing robot that won multiple local awards, qualified for State Championship.
* Supervised and mentored middle-school VEX teams at local middle school that went to VEX World Champions

IEEE OPS (Open Project Space), Member, UCLA September 2016 – June 2017

* Created a maze-solving robot to successfully navigate a small maze using Arduino.
* Tested and created basic circuits on breadboards, and later using solder and prototype boards.

IEEE Micromouse, Member, UCLA September 2017 – Present

* Responsible for soldering and constructing a prototype of a small robotic maze-solving mouse on a PCB.
* Responsible for designing and creating schematics, as well as designing a PCB board to be used with the STM32 LQFP64 Microcontroller using EAGLE.
* Devices used include: IR (Distance) Sensors, Gyros, Bluetooth / SWD Communications.
* Implemented the Flood-Fill algorithm used to solve the maze efficiently.

Formula drone @ UCLA, technology chair/cosigner, UCLA September 2017– Present

* Teach and aid those enrolled in our Drone Building Course, as well as oversee Lab Equipment for designing, building, and repairing drones.
* Help inspire others to be interested in Drone Technology

# Education

Univeristy Of California, Los Angeles 2016 – Present

B.S. in Electrical Engineering, Technical Breadth in Computer Science

Armijo High School – International Baccalauereate 2012 - 2016

# Skills

Programming: C++, C, Objective-C, Python, BASH, LUA, HTML Programs: MS Office, Eagle(Autodesk)