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HUNT MA
Electrical Engineering

EDUCATION

School	Ucla
Degree	BS Electrical Eng
GPA	3.4
Graduation	Fall 2017

KEY PROFICIENCIES

- robotics
- C and C++
- python, matlab
- unix (centOS,Arch)
- pcb/analog design
- digital sig proc
- git
- autoCAD
- autoDesk
- adobe illustrator
- surfing

PERSONAL

Name	Hunt Ma
Nationality	USA
Adress	San Francisco, CA

COURSEWORK

Analog/Digital Ckts, Electromagnetics

Digital Signal Proc, Speech & Image

C++, CPU Architecture, Probability

Matrix Methods, Mechanical Eng Basics

ABOUT ME

My journey in science began as my curiosity directed me towards the 'why' behind everyday mysteries. This virtue attracted me to EE in college, as I sought to unravel the magic of electronics. Besides gaining a new way to see the world, I learned that much work is still needed to address our modern challenges, which affect many. So my own stakes and a desire to help prompt me to apply myself towards this endeavour and hopefully stir others too.

TIMELINE

2016 **Northrop Grumman** Redondo Beach, CA
Software Intern
Implemented new Python scripting capabilities in C++ to add needed feature in large, commercial software product. Spearheaded new realtime front end for accessing data to replace outdated system.

2016 **IEEE Micromouse**
Project
Designed and built a mouse to find and traverse fastest path to cheese. Uses custom PCB with ARM CPU, infrared sensing circuits, gyroscope, and Hall encoders. Software written with time and hardware constraints in mind with Mbed.

2015 **Building Networks Group** Los Angeles, CA
Engineering Intern
Collaborated in multi party environement with clients, contractors, subcontractors, and city officials to draft and design MEP systems to code specifications and on time.

2015 **IEEE Natcar**
Project
Designed and built autonomous line-following race-car. Features custom PCB with Cortex M4 ARM CPU. Software processes and filters camera signals, then applies tunable PID control.

2015 **Ucla Residential Life** Westwood, CA
Tech Consultant
Collaborated with dorm staff teams to create tech programs for students. Programs include Tech Fair and Gamefest with 1000+ attendance. Also hosted workshops like Raspberry Pi, NFC tags, and C++.

2014 **Ucla Bike Shop** Westwood, CA
Mechanic
Serviced bicycles to manufacturer standards and regularly diagnosed/fixed unique mechanical issues. Also taught bike maintenance & safety classes and cultivated friendly environment for customers.

2013 **SAE Cooling System**
Project
Designed and built liquid cooling system for CRF450X motorcycle engine backed by thermodynamics and fluids research. Optimized side air duct shape with CAD and CFD.