

JUSTIN CHANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Objective: Seeking a Summer 2018 opportunity (research or internship)!

B.S., Electrical Engineering Major (Computer Specialization)

Expected Graduation: June 2020

- **Cumulative GPA:** 3.85
- **Honors:** Dean's Honor List (Winter 2017), Tau Beta Pi Candidate (top 1/8 of Jr. class engineers) and Eta Kappa Nu Candidate (top 1/4 of Jr. class of EE CS engineering), Taiwanese American Scholarship Fund
- **Course Highlights:**
 - Data Structures and Algorithms (C++)
 - IoT, Server Clients, GPIO, HTTP basics
 - Intro to Electrical Engineering. Did PID, impedance, circuit analysis, OP AMPS
- **Activities:**
 - UCLA IEEE member
 - UCLA ACM (CS Club), created Hack on the Hill Website with a team.
 - Cal Hacks 3.0, created simple iOS apps using swift (github for more details)

Current Relevant Coursework:

- Software Organization
- Logic Design, Gates, CMOS, Verilog
- Making Neural Nets (Honors Seminar)

RELEVANT COMPUTER/PROJECTS/SKILLS

Physical Therapy Motion Tracker

- Team project, created a system that tracks how well a bicep curl, shoulder press, is done.
- Used Intel Edison, 9DoF Sensors, FANN (Fast artificial Neural Network) ML library to implement.
- Looked at gyroscopes, accelerometer, and projected values to obtain better data to train neural net.

Ops/Micromouse

- Created a RODENT, Micromouse maze traversing robot, implemented with PID, Arduino Nano, H Bridge
- Experience with soldering, EAGLE CAD PCB design, Arduino IDE, Motors, DMM, Oscilloscopes

Personal Website

- <http://termular.me/>, half CV/E-Portfolio, half just about me and what I'm up to.
- Javascript, HTML, CSS (used other javascript and styling libraries to enhance effects on website)

EXPERIENCE

RESEARCH ASSISTANT

3/2017 to 6/2017

Spinal Cord Injury Research Group at UCLA

- GPIO Raspberry Pi3 and Arduino interface help
- Looked over some C and C++ code (Object Oriented Programming Experience)

UCLA CAMPUS JOB

12/2016 to 4/2017

Anderson School of Management

- Car Insurance Ad research, recorded data on consumer and company behavior
- Filled out forms and formed plots on company/consumer behavior changes over time.

TUTOR

10/2015 to 6/2016

Tongva Tutor, Gabrileino High School

- Math tutor, subjects ranging from Algebra I to AP Calculus BC and AP Stats
- Physics tutor, subjects ranging from AP Physics 1 to AP Physics C (Mech and Electricity/Magnetism)

LEADERSHIP/VOLUNTEERING ACTIVITIES

High School Math Club Vice President

6/2015 to 6/2016

- Managed AMC (American Math Competition)
- Managed RCML (Rocket City Math League) and Log Tests (Math competitions)

Circle K International

- Joined CKI UCLA, general member volunteering in the community.

10/2016 to Present