

# Yaofang (Victor) Zhang

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## Education

### University of California, Los Angeles

Bachelor of Science, Electrical Engineering  
GPA 3.6

Expected June 2018

## Technical Skills

C/C++, Matlab, python, LabView, R, Java

Web and mobile development (HTML, CSS, JavaScript, JSON, Ruby on Rails, Android)

Familiar with Ubuntu Linux and shell scripts

Experience working with microcontroller and Raspberry Pi

## Experience

### Howard Hughes Medical Institute — Student Researcher

Fall 2016 - Present

- Developed a portable reader for paper based agglutination bead assay using Raspberry Pi
- Created a graphical user interface for the application

### Eta Kappa Nu — Webmaster

Winter 2015 – Winter 2016

- Drafted and implemented a new website with better UI and user-friendly search functions
- Maintained website and collaborated closely with a team to advertise various events and services

### Qingdao Daniu Network Technology — Intern

Summer 2016

- Collaborated with team members to develop an Android app for a used book sharing platform

## Projects

### IEEE Advanced Project

Fall 2015

- Built a mouse that moves by sensing acceleration and its orientation in space

### IEEE Natcar

Fall 2015

- Built circuits for an autonomous model car that follows a conducting wire
- Programmed microcontroller to analyze data from a line-scan camera and a magnetic field sensing circuit to control the car

### MuSync

Fall 2016

- Developed an Android app that sync music playing across multiple phones

### Lab Auto-grade system

Fall 2016 - Present

- Programmed NI-myDAQ in C to automatically check the correctness of circuits for a lab class

### IEEE — General Board

Spring 2016

- Built a linear slider using simple PID controller

## Other Involvement

### Chinese Student Association — Tabling Director

2015 –2016

- Manages staff and intern tabling and plans weekly social events

### Library Business Service — Student Assistant II

2015

- Processes large amount of library payments and invoices accurately

### UCLA Engineering without Border

2015

### UCLA Chess Club

2014 - Present