

# Emily Chen



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## Experiences

Sep 2016 – Present

### ACM Hack

### Software Intern

- Built internal tools to manage hack school and rebuilt ACM Hack website
- Maintained current website. Organized and promoted events
- Learned technologies, such as android, to teach and mentor other students

Aug 2016 – Sep 2016

### SKSPRUCE

### Project Management Intern

- Researched and made presentation on the current market of carrier-class Wi-Fi
- Participated in planning and managing of Wi-Fi installation in various environments

Jun 2014 – Aug 2014

### AECL

### Researcher

- Researched and presented on "Analysis of George Laurence's Subcritical Uranium Pile using Reactor Physics Codes" in National Research Council
- Modeled the predecessor of world's first nuclear reactor using Monte Carlo N-Particle Transport Code (MCNP)



## Selected Projects

Sep 2016 – Present

### Micromouse

### Mbed/Nucleo

- A small robot that can explore, memorize, and solve a maze by optimizing for route and speed
- Designed PCB board with Eagle, and developed algorithms and codes with mbed.

Sep 2016 – Dec 2016

### Bruin Messenger

### JavaScript

- A social chat application built for communicating with fellow students over the web
- The product was built using JavaScript, Node.js, Express, MongoDB, and Heroku
- Learned how to integrate social login, build database schemas, utilize web sockets, create user sessions, and deploy the application to the web

Mar 2016

### Responsive Teddy Bear

### Amazon Alexa

- Integrated speaker and raspberry pi into a teddy bear
- Learned how to use and customize Amazon Alexa

Mar 2016 – Jun 2016

### IoT Car

### Intel Edison

- A self driven lego car that takes commands from serial connection
- Integrated 9DOF sensor and two Edison boards



## Skills

### Languages:

C++, C, Bash  
HTML, CSS,  
JavaScript, Python,  
Node.js, Express,  
Swift

### Tools:

Xcode, Eagle,  
Arduino, Git,  
Raspberry Pi,  
Intel Edison,  
Sketch,  
Emacs, mbed,  
Command Line



## Education

### UCLA

Bachelor of Computer  
Science - Class of 2019  
Cumulative GPA: 3.70

### Course Work

Data Structures,  
Logic Design,  
OOP, Graphics,  
Algorithm Analysis,  
Linux, Terminal,  
Security,  
Operating Systems,  
Assembly Language



## Links



github.com/EmilyyC



emilyqychen.com



## Activities

IEEE

Dance, Violin  
Club Badminton  
Snowboarding