# Emily Chen

Phone: (310)-343-5829
Email: emilyqychen@ucla.edu
LinkedIn: /in/emilyqychen

## Experiences

Sep 2016 – Present
**ACM Hack** — **Software Intern**
- Built internal tools to manage Hack School, a free course in practical software development skills
- Rebuilt the new ACM Hack website and maintained current website. Organized and promoted events
- Learned technologies, such as Android and taught and mentored other students

Aug 2016 – Sep 2016
**SKSPRUCE** — **Project Managment Intern**
- Researched and made presentation on the current market of carrier-class Wi-Fi
- Participated in planning and managing of Wi-Fi installation in marketplace, shopping mall and school

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, WebGL,
Python, Node.js,
Express

### Tools:

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

## Education

**UCLA**
Bachelor of Computer Science - Class of 2019
Cumulative GPA: 3.64

### Course Work

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

## Links

github.com/EmilyyC
emilyqychen.com

## Activites

IEEE
Dance, Violin
Club Badminton
Snowboading

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