

Emily Chen



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Experiences

Sep 2016 – Present

ACM Hack

- 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

Software Intern

Aug 2016 – Sep 2016

SKSPRUCE

- 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

Project Management Intern

Jun 2014 – Aug 2014

AECL

- 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)

Researcher



Selected Projects

Sep 2016 – Present

Micromouse

- 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.

Mbed/Nucleo

Sep 2016 – Dec 2016

Bruin Messenger

- 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

JavaScript

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

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

Intel Edison



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/EmillyyC



emilyqychen.com



Activities

IEEE

Dance, Violin
Club Badminton
Snowboarding