Emily Chen

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Experiences

Sep 2016 – Present
ACM Hack — **Software Intern**
- Built internal tools to mangage 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 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 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,
Rasberry 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

Activites

IEEE
Dance, Violin
Club Badminton
Snowboading