

Emily Chen

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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 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 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

Eagle, C++

- 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.

Jan 2017 – Mar 2017

Rainbow Runner

WebGL, CSS/HTML

- A Mario themed web game inspired by Cube Runner, Mario Kart's Rainbow Road and Super Mario franchise.
- Built with WebGL, JavaScript, CSS and HTML5.
- Learned how to use utilize WebGL to create graphics and map textures, how to integrate canvas element with sound, animation and CSS, and how to optimize runtime speed and performances.

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,
Raspberry 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/EmillyyC

emilyqychen.com

in /in/emilyqychen



Activities

IEEE

Dance, Violin
Club Badminton
Snowboarding