

Nathan Yang

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EDUCATION

University of California, Los Angeles

Expected June 2019

- Bachelor of Science, Computer Science
- Relevant coursework: Data Structures, Computer Organization, Discrete Structures, Operating Systems, Computer Networks, Programming Languages, Database Systems
- Organizations: Hacker Fund (Mentor Director), UCLA ACM (Committee Officer), UCLA MentorSEAS (Mentor)

TECHNICAL SKILLS

C/C++, Python, JavaScript, Node.js, Mocha, Ember.js, HTML, CSS, Bootstrap, Shell/Bash, Git, MongoDB

EXPERIENCE

Otto LLC, San Mateo, CA

June 2017 - September 2017

Software Engineering Intern

- Worked on the cloud team as a full stack engineer to build out the accounts service and internal tools
- Used technologies such as Node.js, Ember.js, MongoDB, and other internal stack tools
- Implemented and tested new features through development, staging, and production release cycles
- Collaborated with other teams, such as firmware, mobile, and QA, to build an efficient, connected system and create a seamless user experience

Hacker Fund, Los Angeles, CA

May 2016 - Present

Mentor Director

- Organize mentors to volunteer at various computer science/coding events and hackathons in the LA area
- Lead workshops and mentor students in areas such as fundamental CS concepts and web development
- Advise students about my experiences with computer science at the collegiate level

PROJECTS

Sentry Watch

April 2017

- Worked with a team at LA Hacks to build a wearable, IoT device that monitors and analyzes a person's movements in real-time for signs of struggle and contacts emergency services/contacts accordingly
- Used Node.js to implement the server component that stores users' information and their emergency contacts and contacts emergency services when the device determines a user is in danger

Singleton Shell

January 2017

- Implemented a simplified, stripped down shell program in C in an Operating Systems course at UCLA
- Allows users to specify which files to access with system call level flags, create pipes, and run arbitrary programs with input/output redirection

StudyUp

October 2016

- Worked with a team at a hackathon to build a platform for students to form study groups and collaborate on
- Personally responsible for building up the backend portion of the web application using Node.js
- Won second place in "Best Design"

LoginApp & Cloud Storage System

August 2016

- Built a user registration/login system with password hashing using Node.js, Passport.js, and MongoDB
- Created an interface in HTML/CSS for users to enter their login information and create an account
- Built a cloud storage system in which users can upload and download their personal files

Phoemo

May 2016

- Worked with a team at LA Hacks to build an audience/crowd sentiment recognition and analysis application
- Personally focused on the AngularJS and front-end portions (HTML/CSS) of the application
- Calculated statistics about emotion data provided by Microsoft's Cognitive Services API