

Eason Chan

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EDUCATION

UC SAN DIEGO

BS IN COMPUTER SCIENCE

Jacobs School of Engineering
Expected June 2018 | La Jolla, CA
Cum. GPA: 3.32

ALHAMBRA HIGH SCHOOL

Grad. May 2014 | Alhambra, California

LINKS

Github:// [messyfork](#)
LinkedIn:// [messyfork](#)

UNDERGRADUATE

Design and Analysis of Algorithms
Operating Systems
Advanced Data Structures
Software Engineering
Computer Architecture
Computer Architecture Lab
Software Tools and Techniques Lab

SKILLS

PROGRAMMING

Experienced:

C++ • C

Swift • Java

Proficient:

Python • Django • Django Rest
Framework(DRF)

Assembly (ARM/MIPS)

Familiar:

JavaScript ES6 • ReactJS

SOFTWARE

Experienced:

Unix • iOS • Android

Git • Valgrind

XCode • Android Studio

Webpack • Heroku

PROJECTS

COUPLETONES | ANDROID APPLICATION

March 2016 – June 2016 | Team Coursework

- CoupleTones is a private Android application that allows users to track the movement of their significant other.
- Created full fledged Android application incorporating GPS tracking, Google Maps API, and Firebase Realtime Database.
- Designed and coded the notification system of the application with Firebase Realtime Database.
- Experienced the environment of working with Agile software development (SCRUM) and the JIRA management software.

FOODOGRAPHY WEBSITE MOCKUP | PYTHON + HTML + CSS + AWS + HEROKU

June 2016 – Sep 2016 | Personal

- Developed a mockup for a website for users to share food photos with their friends on their social network. The website features an account creation system with facebook integration, post creation, and a commenting/like system.
- Deployed the web server and database on Heroku with AWS S3 for content storage and delivery.
- Created from scratch a backend with Django, PostgreSQL, and AWS S3.
- Created a basic JSON REST-api for future use in mobile applications and refactored ReactJS based front-end.

MOBILE FOODOGRAPHY APPLICATION | IOS APPLICATION

August 2016 – Current | Personal

- An proof of concept iOS application to utilize the REST api of the Foodography website.
- Designed a functional UI and optimized performance for iOS 9.
- Improved performance significantly through programatically creating the interface in XCode.

MOBOARD | OPEN SOURCE ELECTRIC LONGBOARD

May 2015 – Current | Personal

- MoBoard is an open source project for an electrical drivetrain solution based on the VESC: an open source Brushless DC Motor Controller. The board uses a 2kW brushless motor designed for oversized RC vehicles as propulsion.
- Contributed to troubleshooting and building the VESC from soldering to firmware flashing.
- Worked on designing and fitting the 3d printed parts of the drivetrain.

REACTJS STATIC WEBSITE | WEB BOILERPLATE

June 2016 – September 2016 | Personal

- Designed a boilerplate for a ReactJS based static website with support for React-Router routing and webpack module bundler.
- Adapted an extremely popular front-end framework designed for dynamic websites to function statically for significantly cheaper hosting costs.

MISCELLANEOUS SKILLS

US Citizen

Captain of nationally ranked AHS Debate Team

Fluent in Mandarin Chinese