

Kelvin Lui

kelvinluime@gmail.com | kelvinlui.me | U.S. Permanent Resident | Hometown: SF

EDUCATION

UC SAN DIEGO

BS IN COMPUTER SCIENCE

Expected Dec 2019

GPA: 3.4

Inducted Eta Kappa Nu member

CODEPATH UNIVERSITY

iOS BOOTCAMP

Learned fundamentals of iOS UI components, full-stack iOS development with Firebase, RESTful APIs, Sketch and Swift.

Jan 2018 - May 2018 | San Diego, CA

Graduated with Honors

LINKS

Github: github.com/kelvinluime

LinkedIn: [linkedin.com/in/kelvinluime](https://www.linkedin.com/in/kelvinluime)

Personal: kelvinlui.me

COURSEWORK

Intro to ML/AI: Search & Reasoning

Recommender System and Web Mining

Design & Analysis of Algorithm

Software Engineering

Data Science in Practice

Advanced Data Structures

Theory of Computation

Software Tools & Techniques Lab

Math/Algorithm & Systems Analysis

Practical Intro/Prob & Stats

Introduction to Probability

Computer Architecture

Data Structures & Algorithms

Programming Fundamentals

SKILLS

PROGRAMMING

Made favorite projects with:

Swift • Java • Python

Used in small parts of projects:

C++ • PHP • Javascript

Have little experience in:

C • Haskell • Shell scripts

Technologies & tools:

Firebase • iOS • Android • Sketch

Bamboo • Gerrit • Git • RegEx

React • HTML • CSS

LANGUAGES

English • Chinese

EXPERIENCE

ZUORA | BUSINESS APPLICATION DEVELOPMENT INTERN

Jun 2019 - Sep 2019 | San Mateo, CA

ARM | SOFTWARE ENGINEERING INTERN (PART-TIME)

Oct 2018 - Apr 2019 | San Diego, CA

Exposed to: Bamboo, BLE, CI, code coverage, embedded software, Gerrit, Git, Jira, Python, RegEx, shell script, test automation & VS Enterprise

- Work closely with test engineers to incorporate new tools to improve efficiency.
- Wrote scripts to automatically check coding style to reduce code review time.
- Set up code coverage on test suites and automated it into CI.

PROJECTS

HKN MEMBER PORTAL | <https://hkn.ucsd.edu/member-portal>

Web app: React, Firebase, Javascript, Python, Git, Material UI

- Created the 1st member portal for 300+ UCSD HKN members.
- Eliminates the workflow of collecting and updating members' resumes.
- Used cloud hosting and cloud functions to make it easy to maintain and deploy.

SHOPMEET | github.com/WhatToShop/ShopMeet_new

iOS app: Swift, Firebase, YelpAPI, Sketch, Xcode, CocoaPods, Git

- Connects users within the same store to shop together and socialize.
- Used YelpAPI to query nearby stores and information to display in real time.
- Allows users to check-in to a store's chatroom if they are close to a store.
- Won CodePath's Best Design App award on demo day.

GEISEL FOOT TRAFFIC ANALYSIS | github.com/kelvinluime/Pr_059

Data science: Python (data scraping, cleaning, processing & visualization)

- Analyzed Geisel Library's foot traffic data to identify and resolve the difficulties of finding seats to study during prime time.
- Selected as 1 of 4 groups out of a class of 400+ students to demonstrate project at Halicioglu Data Science Institute's launch event.

FITNESS MONSTER | github.com/kelvinluime/fitness-monster

iOS app: Swift, Health Kit, Git

- Gamifies health goals to encourage children to pursue healthy lifestyle.
- As user logs health data on Health app, it notifies the app via Health Kit, and unlocks skill points which the user can use to damage the monster.

CODE TRACKER | github.com/kelvinluime/code-tracker

Desktop app: Java, JavaFX, CSS, SQLite, Git

- Aims to help CS students to keep track of algorithms for self-study & interviews.
- Users can add, edit, search and run code snippets (in Java).

GUIDE YOUR DAY OF EXPLORATION | github.com/kwl005/Gydes

Android app: Java, Firebase, Sketch, Android Studio, Git

- Worked with 9 teammates on an app that connects travelers with tour guides.

EXTRACURRICULAR

IEEE-ETA KAPPA NU KAPPA PSI CHAPTER (HKN) | WEBMASTER

May 2018 - Current | UC San Diego

- Maintain wordpress website and server, interviewed inductees.
- Develop software projects to improve internal efficiency of the organization.