

JOSHUA KUAN

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EDUCATION

University of California, Irvine

M.S., Software Engineering. GPA: 4.0

Sept. 2020 – Dec. 2021 (Expected)

B.S., Software Engineering. GPA: 3.7

Jun. 2018 – Jun. 2020

TECHNICAL SKILLS

Languages	Javascript, Python, Java, Swift, C++, Objective-C
Frameworks	ReactJS, NodeJS, Flask, Bootstrap, Express
Databases	MongoDB, mySQL, NoSQL, Firebase
Build/Deploy	Github Actions, Heroku, Tomcat, AWS EC2, Google Cloud Platform

WORK EXPERIENCE

RxPost | **Full Stack Developer** | 2020 – Current

- Designed and implemented a customer onboarding interface and payment flow for payment provider **Dwolla**.
- Deployed **React.js** application using a **LAMP stack on AWS EC2** with **AWS CloudWatch** monitoring.
- Integrated authentication features using **AWS Cognito** and **Amplify.js**.
- Architected internal **REST APIs in PHP** for **Apache** server with a **MySQL DB** for user data.
- Worked in an **AGILE** environment using **JIRA/Confluence** to track issues and document project.
- Created custom **CI/CD** pipeline using **Github Actions** to streamline build, test, and deployment.

UC Irvine | **iOS Developer** | 2020

- Utilized **MLKit** with device camera video feed to classify waste into recyclable bins.
- Trained Real-Time Object Detection Model using custom dataset with **DarkNet**.
- Connected application to **FireBase** to store and improve model from captured images.
- Designed animated trivia game with points and real-time leaderboard.

PROJECTS

ZotTrail | **iOS Developer** | [Link](#)

An iOS application which connects students to all UCI class information in real-time.

- Deployed application used by 2,000 registered UC Irvine students.
- Integrated **Google Calendar API** for class schedule export to calendar.
- Implemented in-app **Apple Maps support** for quick routing to classes.

TimeCrunch | **Front-End Developer**

A web application to visualize the best time to host an event based around class times and major.

- Created a scraper to scrape and parse UCI and Stanford class data, stored in **MongoDB Cloud**.
- Implemented heatmap visualization using **D3.js**
- Use **Google App Engine** on **GCP** to serve **Express** server.

LISTN | **iOS Developer**

An iOS Application designed to assist students with note-taking.

- Integrated **Google Speech API** for real-time transcription of lecture speech to text.
- Designed color palette and elements to suit users with disabilities.
- Won First Prize (Most Technical) @ Coding Weekend Foothill CS Club