Eric Vu

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OVERVIEW

I'm a recent graduate of UCI with a B.S. in Computer Science who is passionate about creating things to make lives easier. I have 4+ years of personal development experience with 2+ years of professional experience, where my work has saved $40,000 in OpEx and has been showcased in different countries. I'm looking to make an impact and am currently seeking full-time opportunities in a software engineering role.

EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE   September 2014 – June 2018
Bachelor of Science in Computer Science   **Major GPA: 3.38**

- **LANGUAGES:** *Proficient*: Python, C++, Javascript (ES6), HTML5, CSS3; *Familiar:* Java, C, PHP
- **FRAMEWORKS/DATABASES:** React, Express, Node, React Native, MongdoDB, MySQL, Flask, Angular 4
- **TECHNOLOGIES/ENVIRONMENTS:** Linux, Git, REST, Agile, Scrum, Embedded IoT, Serial, iOS, Android

EXPERIENCE

LANTRONIX   Irvine, CA
Software Engineer Intern   January 2018 – Current

- Built **multi-threaded** showcase application using **Python**, **C**, and **PyQt** that serves as the primary factor in demonstrating new IoT software and securing client sales; pushed to production and used by Application Engineers
- Showcase uses **Serial** communication between microcontroller and Raspberry Pi to send data to cloud via **REST** APIs
- Worked directly with VP of Engineering to build water sensor demo using **C-programmed** microcontrollers and Lantronix XPort devices, which was used at 2018 Sensor Expo and saw a **4% increase in XPort sales**

UCI APPLIED INNOVATION   Irvine, CA
Software Development Intern   August 2016 – January 2018

- Researched content automation solution using Raspberry Pi with **Python** and **Javascript** that replaced over 40 PCs and saved **over $40,000 in OpEx.**
- Used **Python** and Slack API to create internal bot that automates shutting down and rebooting of all T.V. screens and PCs in building, which saved an estimated 58% of time on tasks
- Incorporated **Trello** and **Google Voice APIs** to create company's first-ever voice-automated ticketing system on Trello

UC IRVINE CIRCLE K   Irvine, CA
Secretary   March 2016 – March 2017

- Revolutionized position by creating **PHP** and **SQL** script to automate tasks and saved **92% of time** on reports
- Worked with team to organize service and leadership events that led the club to over **8000** hours of service

SELECTED PROJECTS

THE FRIDGE APP | *React Native, MongoDB, Express, Expo*   *github.com/ericmv/fridge-client*

- Shared fridge mobile app that allows housemates to keep track of the contents in their fridge. Users can view who each item belongs to, get notified when food is expiring, and request items belonging to other housemates
- Front-end uses **React-Native** and **AsyncStorage** to store user sessions for persistent login
- Back-end uses **Express** middleware to handle requests and perform CRUD operations on **MongoDB** database

NIBBLE | *React, Express, CSS*   *github.com/ericmv/nibble*

- **React** app that randomly picks a place to eat based on user category preferences. Created for and used by peers
- Back-end uses **Express** and **Yelp API** to retrieve list of restaurants. Uses **Google API** to embed map and directions

FABFLIX | *Java, MySQL, AWS, Tomcat, JQuery, HTML*   *github.com/ericmv/fabflix*

- Movie database website that allows users to browse and checkout their favorite movies
- Back-end uses **Java** servlets and **MySQL** driver. Front-end uses **HTML**, **CSS** and **JQuery**. Hosted on **AWS** using Tomcat