Erik Follette

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OBJECTIVE

- To obtain a challenging software engineering internship where I can apply my skills and insights to exceed expectations and produce results.

EDUCATION

BACHELOR OF SCIENCE | EXPECTED 2021 | UC SAN DIEGO

- Major: Computer Science

SKILLS

- Proficient in AndroidStudio, Apache, ARM Assembly Language, ArcGIS/ArcMAP, C, C++, cPanel, CSS, Dart, Firebase, Flutter, Git, HTML, Java, JavaScript, LATEX, LINUX/UNIX, NodeJS, PHP, Python, PyTorch, R, React, shell scripting (BASH), TypeScript, Visual Basic, Webpack
- Fluent in Spanish, English, and French

PROFESSIONAL EXPERIENCE

LEAD SOFTWARE DEVELOPER | NEXT UP TALENTS | SUMMER 2018 – SEPTEMBER 2019

- Lead and worked alongside a small team of programmers to create the upcoming app by startup NextUp Talents using Flutter and Firebase. The app has a Twitter style news feed, direct messaging capabilities, and the ability to donate money to other users as well as a friend/follower system. I designed and implemented the UI of the app and connected it to the back end in a way that allowed for real time updates to the app.

SUMMER GIS ANALYST | ARLINGTON COUNTY | SUMMER 2018

- Created interactive maps using ARCGIS software to analyze student ridership of the public-school bus system. Increased bus efficiency by creating new bus routes and created VBA macros to format large student datasets.

WEBSITE DESIGNER/ADMINISTRATOR | THE BEAUTY CONCEPT MX | APRIL 2019 – PRESENT

- Using HTML5/CSS3, JavaScript, and PHP, I created the website for The Beauty Concept, a Mexican hair styling service. After creating the website, I launched it, set up its mail server, and maintain the website to ensure that it is always up to date using cPanel. The website can be found at http://thebeautyconceptmx.com/.

WEBSITE DESIGNER/ADMINISTRATOR | HEART EYES LUNGS MIND (H.E.L.M) | JULY 2019 – PRESENT

- I created and maintain the website for H.E.L.M, a streetwear fashion company, using ReactJS and NodeJS. My duties as manager include managing the inventory and maintaining the website to ensure that it is always up and running using cPanel. The website can be found at http://helm.store/.

PROJECTS

BLOOM FILTER | UCSD CSE30 | MAY 2018

- Created a two-part interactive program in ARM Assembly Language and C on a Raspberry Pi meant to check if an email is in a list of spam addresses or not. The first part read in email data files and populated hash tables with the email addresses, then wrote out the tables into an output file. The second part read in the tables from the output file and then allowed the user to enter email addresses to check if they were spam. This program used separate-chaining hashtables and dynamic memory allocation to store the list of emails.

GROWIO - PLANT IDENTIFIER/MANAGER | UCSD CSE110 | MAY 2018 | HTTPS://GITHUB.COM/EFOLLETTE/GROWIO

- Created a native mobile app using Flutter and NodeJS that helps users manage the plants in their house via a virtual garden by notifying them when the plants need watering. The user could add plants to the garden by manual search in our Plantcyclopedia or by taking a picture of that plant that our app would then identify. I worked on implementing the UI and connecting it to our back end using Flutter and Android Studio.

BINARY CODED DECIMAL (BCD) CLOCK | UCSD CSE30 | MARCH 2018

- Created a BCD program in ARM Assembly Language and C on a Raspberry Pi that could start the clock at any user specified time, including the current system time. The program would run for a user specified number of ticks that each lasted 1 second and print out that time at an interval specified by the user.