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

PROFESSIONAL EXPERIENCE

LEAD SOFTWARE DEVELOPER | NEXT UP TALENTS | SUMMER 2018 – PRESENT

- Leading and working alongside a small team of programmers to implement UI and back end for the upcoming app by startup NextUp Talents using Flutter and Firebase.

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/.

PROJECTS

CALCULATOR PROJECT | UCSD CSE12 | JANUARY 2018

- Created a program in C that simulated a top-of-the-line calculator using two Stacks. Project involved parsing through user input in standard notation to create an expression that the calculator could compute and display.

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.

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. This program involved formatting and parsing through binary strings in order to set the clock correctly.

HONORS

- International Baccalaureate Diploma, 2017
- Diploma of Spanish as a Foreign Language (DELE) C1 Certification

ACTIVITIES

- Varsity High School Wrestling, Winter 2014-Spring 2017
- UCSD Climbing Team, Fall 2017-Present