Hector Leon

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**Objective**

Seeking a Software Development position that will allow me to bring my professional expertise to the Engineering department.

**Education**

**California State University, San Bernardino -** September 2015 – December 2019

Majoring in Computer Engineering, B.S. (ABET-Accredited)

Minor in Applied Mathematics

**Activities**

IEEE Student Member October 2018- December 2019

Computer Science & Engineering Club Member October 2018- December 2019

Delta Chi Fraternity September 2018-December 2019

**Projects**

**Mail Master** 2019

Mail security system that uses Raspberry Pi, Fingerprint Scanner, and other modules. The main focus of this product is to maintain record of interactions with the mailbox. The project uses Firebase to store the images captured by Raspberry Pi Camera and can be access on the Web Application.

**Smart Blinds** 2018

Automated Blinds using Raspberry Pi and DC motors to control the state of the blinds. The user would use an Infrared controller to indicate the preferred state. This project was mainly coded with Python.

**Library Space** 2018

The Library Space Mobile Application indicates the number of people entering/exiting the library building. Since it was as an assigned project for a course, our main task involved improving the hardware aspect and increase its accuracy. We followed certain protocols and conducted proper documentation to fulfill the client’s expectations.

**Skills**

* Experienced in C++ and Python
* HTML5 and CSS3, Git
* Proficient in Linux, OS X
* Bilingual (Spanish Literate)
* Problem Solving, SQL
* Proficient in LabView and Matlab

**Work Experience**

**CSU, San Bernardino Tutor** September 2015 – 2019

San Bernardino, CA

One on one tutoring sessions that require lesson planning and close evaluation. The tutees are from grades K-12 and the sessions are one hour long. After each session, tutors are required to communicate details of the session with the tutees parent/guardian and write and detailed report to our reading specialists.

**Amazon Fresh Associate**  May 2017 – December 2017

San Bernardino, CA

Picking and packaging fresh and ambient foods. There is a specific procedure on handling different types of food while maintaining a certain rate. Being able to adapt and moved into different roles is a necessity due to the different needs of the company.

**Leon’s Mobile Truck and Trailer Repair**  June 2015 – 2018

Fontana, CA

Analyzing and repairing trucks and trailers such as changing tires, repairing faulty trailer parts, and making sure the truck met with California trailer guidelines. The use mechanical instruments components were required to complete these tasks.

**Carl’s Jr Cashier** June 2015 – September 2015

Bloomington, CA

Customer service and maintenance of the fast food restaurant were the main responsibilities as a cashier of Carl’s Jr.