Noah Corona

Software Engineer

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Work Experience

Project Engineer (Intern) at Powercon Engineering

📅 July 2017 – July 2018, June – August 2019

▸_ C#, Ladder Logic, SQL

> Coordinate with project manager to develop, and test systems software on commercial programmable logic controllers

> Collaborate with engineering team to design and implement user interfaces for human-machine interfaces for various HMI manufacturers

> Implement databases for control panel authentication and historical data storage

> Provide platform for real-time monitoring of sensor, alarm, and historical data

Projects

UCSB Capstone with Aptitude Medical Systems

🏆 3rd place, E.C.E. Capstone at UCSB

📅 June 2021 – July 2022

▸_ JavaScript (es6), Python, React Native, Firebase

The CUDA project's goal was produce medical diagnostics a patient can trust, and a first responder can effortlessly manage. The heart of the project, the CUDA Reader, is a portable device that detects COVID-19 and aids in the detection of a life-threatening condition called coagulopathy. The cross-platform CUDA app, allows users to monitor nearby devices and store results in the cloud.

> Act as the project lead, ensuring timely completion of quarterly goals

> Develop a React Native mobile app for management of test administers, patients, and results

> Implement Python routine to detect biomarker in a liquid sample using serial communication protocols

> Add Bluetooth functionality to the embedded system using Python and routine to communicate with mobile app via Bluetooth Low Energy

Education

B.S., Computer Engineering with GPA 3.37

U.C. Santa Barbara, Santa Barbara, CA — 2019 to 2022

Orange Coast College, Costa Mesa, CA — Transfer GPA 3.7

Languages

C, C++, Python, JavaScript (ES6), TypeScript, HTML, CSS, C#

Frameworks

React.js, React Native, Node.js, Express, Firebase, SQL, MongoDB, Github, Linux

Other Tools

STM32, esp32, Raspberry Pi, Linux, Github