

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 administrators, 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 3.75

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