

NOAH CORONA

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💻 <https://github.com/noahcorona>

Work Experience

Project Engineer (Intern) at Powercon Engineering, LLC.

📅 July 2017 – July 2018, June – August 2019 📦 C#, Ladder Logic, SQL

1. Designed and implemented intuitive UIs for commercial human-machine interfaces
2. Planned, developed, and deployed control systems software on commercial programmable logic controllers
3. Implemented data storage with SQL for real-time sensor data collection, as well as real-time historical views
4. Configured and maintained several software development workstations

Projects

UCSB Capstone for Aptitude Medical Systems, Inc.

📅 June 2021 – July 2022 📦 React Native, Python, Firebase

CUDA was the 3rd place winner of the 2021-2022 UCSB E.C.E. Capstone program. The project goal was to produce fast and inexpensive medical tests that users can trust. The CUDA Reader is a portable device capable of detecting COVID-19 as well as aiding in the detection of trauma-induced coagulopathy. The CUDA Reader's companion, a cross-platform mobile app, allows users to monitor nearby devices and store results in the cloud.

1. Acted as the project lead, ensuring timely completion of quarterly goals
2. Developed a React Native mobile app for management of test administrators, patients, and results
3. Implemented Python routine that detects coagulopathy biomarker concentration in liquid sample
4. Added Bluetooth functionality to the embedded system using Python

Education & Elective Courses

B.S., Computer Engineering (2022)

UC Santa Barbara, Santa Barbara, CA

GPA: 3.37

Machine Learning

Machine Learning (CMPSC 165A, 165B)

Machine Learning Design & Test (ECE 157A)

A.I. Design & Test (ECE 157B)

Embedded Systems

Hardware/Software Interface (ECE 153A)

Sensor/Peripheral Interface Design (ECE 153B)

Mobile Apps

Mobile App Development (CMPSC 187)

Computer Vision

Introduction to Computer Vision (ECE 181)

References

Zach Rengert

Research Scientist

Aptitude Medical Systems, Inc.

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Scott Emerson

Owner

Powercon Engineering, LLC.

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Austin Jackson

Manager

Quokka Kitchen, LLC.

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