Noah House

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Objective

As a recent graduate, I'm seeking an entry-level software engineering position where I can expand and cultivate my professional and technical skills. I'm excited to develop my passion for software and embedded systems in an environment that is collaborative and engaging.

Education

University of California, Santa Cruz   September 2016 - July 2021

Bachelor of Science in Computer Engineering

Bachelor of Science in Computer Science (Minor)

Related Coursework

Data Structures and Algorithms	Microprocessor System Design
Computer Systems and C	Artificial Intelligence
Principles of Computer System Design	Computer Architecture

Experience

Formula Slug Team Member September 2017 - May 2018

- Strengthened my knowledge in statics and dynamics, integrated circuits, circuit analysis and design, microprocessor system design, and C++
- Applied my knowledge to help in the design of the bus interconnect for the formula car

Projects

Facial Recognition Automatic Door

- designed and developed (from scratch) the mechanic system that opened the door with a Raspberry Pi and electric circuit using C
- Collaborated with six other engineering students and achieved a working prototype
- Spearheaded mechanic system with a sub-team consisting of two other students

Facial Recognition Software

- Trained face detection using OpenCV and python3 libraries to detect a face that is stored in the dataset
- Implemented face mask detection using TensorFlow

Technical Skills

Proficient: C, C++   **Familiar:** Python, Java, Linux/Unix, OOP, RaspberryPi, OpenCV, PIC, UART, I2C, HTML, CSS