

# Noah House

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## Objective

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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

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University of California, Santa Cruz

September 2016 - August 2021

Bachelor of Science in Computer Engineering

Bachelor of Science in Computer Science (Minor)

## Related Coursework

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Data Structures and Algorithms

Microprocessor System Design

Computer Systems and C

Artificial Intelligence

Principles of Computer System Design

Computer Architecture

## Experience

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**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

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### 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

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