

Hamza Hussain

Software/Embedded Systems Engineer

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RELEVANT SKILLS

C/C++ Programming

Python (Scripting, Django, Flask)

MySQL/MariaDB

HTML/CSS

OOP(JAVA, Python)

REACT JS/NODE JS

AI(PyTorch)

C# .NET Core Dev

MIPS Assembly

Linux OS

Bash/Shell scripting

PROFESSIONAL EXPERIENCE

University of California- Santa Cruz

Embedded Systems Engineer - Santa Cruz, California

12/2020 - 03/2021

Use the c programming language in conjunction with an Uno32 board/processor.

Do various projects including a simulation of a toaster oven.

Make use of finite state machines.

Use the OLED screen, leds and buttons to create various blinking patterns in order to display relevant data.

DIABLO VALLEY COLLEGE

Robotics Engineer - Pleasant Hill, California

06/2017 - 07/2017

Lead my team is designing and testing a robot for a competition.

Program light sensors on the robot to traverse a path

Connect robot to controller and design user friendly controls

Program the controls for the robot

Confirm and maintain the mechanical and structural fidelity of the robot.

3rd place in the competition.

Education

University of California - Santa Cruz

B.S Computer Engineering | 3.4 GPA

09/2019 - current