Kunal Buty

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Education:

University of California, Irvine   June 2021

GPA: 3.245

Computer Engineering

Skills:

Computer Languages:

➢ C, Python, Java, HTML, CSS, PHP, JavaScript

Computer Skills:

➢ Linux, GitHub, Amazon Web Services

Circuitry:

➢ Familiar with oscilloscopes, multimeters, waveform generators, and other lab equipment
➢ Capable of analyzing complex circuits

Projects:

Solar Car Telemetry Team @UCI Solar Car   January 2019-Present

➢ Responsible for gathering and processing data to be displayed for the driver of a solar car
➢ Created circuitry to monitor voltage, charge, and temperature of car battery, as well as RPM of wheels to calculate car speed
➢ Displayed acquired data in a GUI programmed in Python
➢ Created a database to log all data sent out by the car, as well as a program to display the data

Piezoelectric Mat Project (Group Lead) @Engineers for A Sustainable World   March 2018-Present

➢ Working on making a mat that generates electricity when it is stepped on
➢ Applied for and received over 800 dollars in funding
➢ Managed group work on project, including selecting group members and assigning tasks
➢ Designed and created prototype for the project

Artificial Intelligence Chess Program (Project Manager)   June 2018-Present

➢ Created a program that allows the user to play chess against an artificial intelligence
➢ Coded artificial intelligence in C, using data structures such as trees and linked lists
➢ Created and wrote documentation for software version

Instant Messaging Network Application   January 2019-February 2019

➢ Wrote backend code to create a messaging application
➢ Created server that hosts the application
➢ Wrote Client-side code that allows users to connect and interact with the server for tasks such as sending messages, logging in, and signing up

Experience

Software Quality Assurance Engineer @JoyRun Inc   June 2019-September 2019

➢ Created and executed comprehensive test plans for end to end testing of the JoyRun Food Delivery App
➢ Found and reported over 500 bugs in the JoyRun Food Delivery app
➢ Wrote MySQL database queries to unit test new or updated features in the app
➢ Used agile software to assign tasks and bug fixes to various team members

Conversation Partner @UCI Division of Continuing Education: Irvine, California   June 2018-September 2018

 Led a group of foreign students through activities to help them improve on their English proficiency
 Created and thought of various activities to verbally engage the students including ordering food and having conversations