Yuanhang(Travis) Zheng

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Summary

I am a driven undergraduate student who is passionate about web development and software engineering. I am seeking a summer internship to gain valuable experience in a collaborative environment.

Education

Rose-Hulman Institute of Technology - Bachelor 2023(current sophomore) - B.S. Computer Science - Cumulative GPA: 3.6
Coursework: Computer Architecture, Object-Oriented Software Development, Data Structure and Algorithms, Database Systems, Intro to Web Programming

Skills

Full Stack Development: React JS, Bootstrap, JavaScript, HTML, CSS, RESTful API, Redux, Node JS, SQL Server, Firebase, Bootstrap, MongoDB
Software Engineering: Object Orientated Design, Data Structures Algorithms, Relational Database, Java, C
Languages: English, Chinese

Experiences

Rose-Hulman Ventures   October 2020 – Present
Software Engineering Intern
- Currently developing a react native app that can configure and debug a motor controller by communicating to it via Bluetooth.
- Implementing a file system that allows the user to save and read configuration files in the app to customize menu structure and load in data.

TechPoint S.O.S. Challenge   June 2020 - July 2020
Participant
- Collaborated on a multi-disciplinary team to work on a solution in the span of 5 weeks that tackled the challenges faced by the tourism industry due to the COVID-19 pandemic.
- Developed a web application using React JS, Spring Boot, and PostgreSQL called *EventAndPrevent* that calculates the new maximum capacity for convention rooms according to CDC social distancing guidelines and tracked the current capacity of these rooms with respect to their maximum capacity.

Projects

Surprise Discovery   December 2020 – February 2021
- Developed a full-stack web application that allows Rose-Hulman students to buy and sell secondhand items with each other.
- Designed and implemented the backend SQL database. Wrote store procedures and functions to support the required functionality of the app and used Node JS to create an API that connects the webpage to the backend.

Exam Review System   December 2020 - February 2021
- A web application where Rose-Hulman students can create and join review sessions to study for their upcoming exams. Students can manage their profile of ongoing and taken courses.
- Implemented the app using HTML CSS and JavaScript for frontend and used Firebase for authentication and backend to persist data.

Joust   October 2019 - November 2019
- Remade the classic arcade game Joust with Java based on object-oriented design principles in a team of two and implemented extra features and twists to the game such as powerups and bullets.