Timothy Healey

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Skills

Coding: C++, Python, JavaScript, R, SQL
Frameworks and Tools: MySQL, PyTorch, Numpy, React, React Native, HTML, CSS, Git, Bash

Education

Bachelor of Science in Computer Science

Western Michigan University	2020-2024	GPA: 3.57	Kalamazoo, MI
Grand Valley State University	2019 – 2020	GPA: 3.93	Grand Rapids, MI

Selected Coursework: Artificial Intelligence, Machine Learning, Design & Analysis of Algorithms, Linear Algebra, Computer Organization & Assembly Language, Database Management Systems

Experience

Software Engineering Intern
TGW North America | Grand Rapids, MI | May 2022 – August 2022
- Developed C# code used in industrial automated equipment. Wrote, reviewed, and validated test cases. Reported and fixed bugs with C#. Traveled and tested machinery on site.

Course Assistant
Western Michigan University | Kalamazoo, MI | January 2022 – April 2022
- Tutored computer science and math classes. Helped students form better study habits.

Projects

Roguelike RPG | Video Game Development | Spring 2023
- Used C++ and the SFML library to create a RPG game. Developed game with OOP principles. The game allows players to pick up, equip and use items, use and learn abilities, and attack off waves of enemies.

Loaves and Fishes Admin Website | Web Development | Spring 2023
- I worked with a team of other students and a local foodbank to create a website. The website allows volunteers to keep track of their hours volunteered and future shifts. It also allows admins to schedule volunteers, check in volunteers, and track all statistics needed including generating reports. This project uses React, Python, and SQL.

Goalie Stat Tracker | Mobile App Development | Fall 2023
- Developed a mobile application using React Native to allow hockey goalies to track and analyze their performance statistics. The app enables users to access a history of their past games and provides statistics. published the on the Google Play Store, with over 500 users currently. Engaged with user reviews to gather valuable feedback, incorporating suggestions in updates to further refine the app's functionality.