Hunter G. Wigal

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Languages: Java, Typescript, C, Python

Education
West Virginia University, Morgantown, WV   May 2024
Bachelor of Science in Computer Science
GPA: 3.61
Honors Foundations Scholar

Relevant Courses
File and Data Structures | Database Design and Theory| Operating Systems Structure |
Computer System Concepts | Compiler Construction

Project Experience
Database Design and Theory   Spring 2024
Design and Implementation of a Django web application utilizing MySQL
- Collaborated in a team to design and write an application that utilizes a MySQL database
- Designed diagrams to represent the planned database, such as an Entity-Relationship model and a Relational Model
- Implemented the designed application utilizing Django to create both the front and back end and MySQL to manage the database

Robotics Capstone Project   Fall 2023 – Spring 2024
Contribution to rover designed to compete in University Rover Challenge
- Collaborated in a team of 10-15 to write software that operates a rover meant to survive in conditions similar to Mars
- Rewrote python code originally utilizing the ROS architecture to instead use ROS2 and wrote documentation for future members to better understand the software
- Utilized ROS2 networking capabilities to communicate messages from a PyQt GUI running on a base station to the rover
- Participated in weekly meetings to discuss plans, achievements, and challenges to increase productivity

Sophie's Sweets Business Website   Summer 2023
Design and Implementation of sophiessweetswv.com
- Designed and implemented a web application with Google Firebase for use as a business website
- Utilized Google's Cloud Firestore and EmailJS to create an interface for users to place orders
- Utilized Google Firebase Authentication to create an administor account for viewing orders
- Provided a custom interface design with a combination of Bootstrap and CSS

Technical Skills: Angular, Spring Boot, Github, Google Firebase, Linux, HTML, CSS