JOSHUA FENTRESS

Denver, CO
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TECHNICAL SKILLS

Languages: Java, Python, C, C#, JavaScript, TypeScript, SQL, HTML, CSS, Racket, Plait, MIPS
Frameworks/Dev Tools: Git, Django, NodeJS, Electron, ExpressJS, ReactJS, MySQL Server, MongoDB, Ajax

EDUCATION

The Pennsylvania State University, Abington, PA   Graduated May 2023
Major: Bachelor of Science in *Computer Science*
Honors: 4x Dean's List, Magna Cum Laude

Montgomery County Community College, Bluebell, PA   Graduated May 2021
Major: Associates in *Computer Science*
Honors: 4x Dean's List, Cum Laude

PROJECTS

Lockheed Martin Sponsored Capstone
- AI Swarm based search and rescue mission utilizing Robotis' Turtlebot3 and M5 Stack Units.
- Team-based AGILE development environment to ensure project success with focus on data control.
- Integrated HMAC data transfer, MongoDB information storage and blockchain technologies.

Penn State Lions Gate Room Assignment Application
- Contracted work with Penn State's Lions Gate housing department.
- Desktop application using Node JS and Electron to manage dormitory room assignments for students.

Ski Resort Navigation App
- Python web-app built on Django framework, uses front-end to back-end communication using Ajax.
- Combines OpenStreetMap data with routing algorithms to provide an optimal path between on-mountain locations.

Sell.gg Android App
- Application which receives real-time pricing data using eBay's seller's API for competitive listing..
- Built using Android Studio, Java and XML.

WORK EXPERIENCE

Wawa Willow Grove, PA   September 2016 - September 2023
Associate Supervisor
- Guide team organization and daily success strategy execution.
- Recipient of Associate Service Awards.

Vail Resorts Breckenridge, CO
Ski School Instructor   *October 2018 - May 2019*
- Coordinated large groups of students with various skill sets to attain evaluated goals.
- Effectively demonstrated and communicated technical concepts in layman's terms.

Dentrust Optimized Care Solutions Pipersville, PA   May 2022 – August 2022
Information Technology Intern
- Assisting with the installation, configuration, and maintenance of hardware and software systems.
- Unix based development and policy implementation.
- Server based virtual machine management.