

JOSHUA FENTRESS

Hatboro, PA

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<https://joshfen.github.io/me/>

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, 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 - January 2024

Associate Supervisor

- Facilitated team organization and communicated daily success strategy execution.
- Recipient of Associate Service Awards.

Vail Resorts Breckenridge, CO

Ski School Instructor

October 2018 - May 2019

- Coordinated and directed 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

- Oversaw installation, configuration, and maintenance of hardware and software systems.
- Unix based design, development and policy implementation.
- Server based virtual machine management.