Michael Smith

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Education

Bachelor of Science in Applied Computing
Pennsylvania Western University at Edinboro, Edinboro, PA
August 2020 - *Expected* April 2026

Work Experience

Software Engineer Intern
GS Retail Services
Tarentum, PA
May 2025 – August 2025

- Worked in a team to create a lightweight order and inventory management application for a client of GS Retail Services. This tool saves the client an estimated 130 hours annually in time spent on completing purchase orders.
- Adhered to the Software Development Life Cycle principles to ensure a high-quality product.
- Interfaced with stakeholders to gather requirements.
- Planned our work and goals via Agile Project Management Methodologies.
- The application's data store used a PostgreSQL-based database. Communication with the database was handled via a REST API written in Go. The front end was written in NextJS.

Projects

TankTek
January 2025 – Present

- TankTek utilizes C++ with RayLib (OpenGL) as the framework for the software.
- The editor is built on the engine with the Dear ImGui library to manage the panels.

RayLib (Contributor)
December 2025 – Present

- Contributed bug fixes to the RayLib project.

Skills

Expert **(★★★★★):** C++, Object Oriented Programming, Godot
Advanced **(★★★★☆):** Java, JavaScript/TypeScript, Agile, Go, PostgreSQL
Familier **(★★★☆☆):** C, Python, OpenGL, x86 Assembly, Unity Engine, Unreal Engine

Clubs and Extracurriculars

- Secretary for Computer Science Club
- Member of Programming Team

Volunteering

Ice Hockey Coach
Allegheny Hockey Association
August 2020 – Present

- As a volunteer coach, I oversee line changes and player organization. Beyond this, I am to help the players grow as players and people.

Assistant Volunteer
Computer Reach
June 2017 – August 2020

- Assist employees with tasks such as repairing, disassembling, imaging, and distributing computers.