

AIDEN C. WEST

SOFTWARE ENGINEER

🏠 New Hartford, NY, 13413

✉️ westac@sunypoly.edu

☎️ (315)-864-0426

🌐 [GitHub](#)

🌐 [LinkedIn](#)

EDUCATION

Computer Science BS/MS

SUNY Polytechnic Institute | Utica, NY

Expected: May 2025
3.84 GPA

Associates in Science, Computer Science

Mohawk Valley Community College | Utica, NY

Graduated: Dec 2023
3.6 GPA.

TECHNICAL SKILLS

Programming:

- HTML
- Java
- C++
- Python
- Linux
- Cascading Style Sheets
- C
- SQL
- JavaScript
- C#
- Node.js
- PostgreSQL,
- Spring Boot
- Django

EXPERIENCE

RI Intern

Griffiss Institute | AFRL at Rome, NY

Apr 2023 - Present

• PTU Plugin Development and Integration

- Overhauled the [PTU](#) plugin, in collaboration with ParTech Gov (now Booz Allen Hamilton), enabling ONVIF camera integration for the plugin to be used in Android Tactical Assault Kit (ATAK).
- Designed a pan tilt zoom (PTZ) camera mount for New York State Trooper's Special Operation Response Team (SORT) to use on their armored vehicles that integrates with the PTU plugin which they now currently use now for day to day operations.

• EOD Plugin Development

- Developing an ATAK plugin for Air Force Explosive Ordnance Disposal (EOD), improving situational awareness and risk mitigation.
- Collaborated directly with deployed Air Force operators to identify and address operational inefficiencies, streamlining EOD mission workflows.
- The EOD TAK plugin is currently under evaluation by deployed super users, receiving overwhelmingly positive feedback, leading to an EOD request for integration into TAK.gov.

• LoRa Technology Research

- Researched and evaluated Long-Range (LoRa) technology for DoD applications, analyzing commercial and military use cases in multiple different environments.
- Designed and executed rigorous field tests to assess LoRa performance, including range, throughput, and functionality, rather than relying solely on manufacturer specifications.
- Compiled findings into a comprehensive report, currently under review for publication with AFRL/RISC.

Web Applications Programmer CO-OP

Northern Safety | Herkimer, Ny

Sep 2023 - Oct 2023

• Northern Safety Website Development

- Helped enhance a web application using MVC architecture, integrating ASP.NET, jQuery, SQL, and Vue.js.
- Refactored and implemented server-side logic with ASP.NET for improved functionality.
- Assisted with managing a SQL database, optimizing data handling and retrieval.
- Collaborated with a team to troubleshoot and solve development challenges.

PROJECTS

Trogdor 2

Fall 2024 - Present

<https://github.com/aidenisaman/CS370Trogdor>

- Developed a complete arcade-style game in Python/Pygame with 13 progressive levels and three unique boss battles
- Implemented enemy AI behaviors, power-up systems, and precise collision detection
- Created a modular state management system handling game progression, persistent leaderboard, and dynamic UI screens
- Engineered cross-platform compatibility with custom installers for Windows, macOS, and Linux