

WILLIAM GAWRON

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EDUCATION

University of New Hampshire, Durham, NH – *Bachelor's in Cybersecurity; Minor in Data Science* – GPA: 2.66 **May 2025**

Relevant Coursework:

CS791/792 (Senior Project): Used Splunk to develop new real-time threat detection capabilities for the University System of New Hampshire's Cybersecurity team.

IT666 (Cybersecurity Practices): Learned the basics of how to use many Cybersecurity tools including *nmap*, *Burp Suite*, and *Ghidra*.

CS727 (Software Security): Learned how vulnerabilities are introduced into software, how those vulnerabilities are detected, and how they are remediated.

CS725 (Computer Networks): Learned how networks are constructed and how they function, including network security.

WORK EXPERIENCE

UNH Interoperability Labs, Durham NH - *Broadband Technician*

June 2021-Present

Honors/Awards: 2024 IOL Scholarship, Summer 2023 IOL Star Recognition for Work Performance

- Planned and executed a comprehensive hardware and network testing plan for broadband devices, ensuring compliance and performance in accordance with industry standards, and directly contributing to improving the quality of the end-user experience.
- Planned and executed a comprehensive hardware and network testing plan for broadband devices, ensuring compliance and performance in accordance with industry standards, and directly contributing to improving the quality of the end-user experience.
- Ensured synchronization of testing responsibilities across shifts, increasing testing throughput by reducing inefficiencies in the testing workflow.
- Improved the IOL's custom broadband testing tool (Test Sentinel) by adding testing capabilities with new test plans and drivers for test equipment, allowing the IOL to continually adapt to new markets.
- Orchestrated a performance measurement campaign across several W-Fi Access Points which shaped the performance requirements of the Broadband Forum [TR-398i3 test plan](#).

Hannaford, Portsmouth NH – *Customer Service Associate*

December 2020-June 2021

- Worked in front-end custom service positions as a cashier and grocery bagger.
- Provided friendly service to customers while efficiently and accurately scanning items and carefully yet quickly packing bags.

LEADERSHIP AND ACTIVITIES

UNH Open Houses, Durham, NH

2023-2024

- Provided tours and demonstrations of the Interoperability Labs' facilities and testing capabilities, aiding in the recruitment of new employees to the IOL.

HackNH Hackathon, Durham, NH

January 2023

- Placed 3rd in the competition for co-creating the game *Buckshot*
- Delegated tasks to myself and my partner to ensure an efficient workflow
- Quickly learned how to use the Godot game engine
- Implemented the main gameplay functionality for movement, physics, and attacks
- Designed and implemented the game's levels

SKILLS AND INTERESTS

Technical Skills:

- Computer Networking
- Database Design
- Atlassian Suite (Jira, Bitbucket, Bamboo, Confluence)
- DSL (Digital Subscriber Line)
- PON (Passive Optical Networking)
- Wi-Fi

Programming Languages:

- VB.NET: Proficient
- Python: Proficient
- C#: Proficient
- Java: Competent
- C/C++: Competent
- Rust: Beginner

Interpersonal / Communication Skills:

- Customer support and requirements gathering
- Team collaboration and team building

Interests:

- CAD + 3D Printing: Designing and manufacturing of custom parts for personal and work projects
- Robotics: Participated in FIRST Robotics Competition during High School
- Game Development: Developing small games as proofs of concept
- Electronic Tinkering: Conversion of old keyboard from PS/2 to USB; PC building; 3D printer building; dissection, study, and improvement of various devices
- Cloud Computing: Excelled in a course on cloud computing, and intending to deploy a personal website using AWS in the near future
- PCB Design: Designed a PoE daughter board to replace the non-compliant one found on a retail switch