WILLIAM GAWRON

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EDUCATION

University of New Hampshire, Durham, NH – *Bachelor's in Cybersecurity; Minor in Data Science* **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 Lab, Durham NH - *Broadband Technician* **June 2021-Present**
Honors/Awards: 2024 IOL Scholarship, Summer 2023 IOL Star Recognition for Work Performance
- Planned and executed hardware and network testing of broadband devices provided to IOL by telecommunication hardware vendors. The testing assessed the device's compatibility, performance, and functionality against industry standards.
- Worked directly with the hardware vendors to understand their unique testing requirements and kept the vendors informed of the progress and status of their hardware test results. This included analyzing the test results to ensure their accuracy and repeatability before providing the results to the vendors.
- Collaborated with testing team members to ensure a smooth hand-off of testing responsibilities between shifts.
- Improved and maintained Test Sentinel which is IOL's custom broadband hardware testing software. Also provided support to licensees of Test Sentinel.
- Assisted the Broadband Forum (https://www.broadband-forum.org/) in the development of TR-398i3. TR-398i3 is a Wi-Fi performance testing standard that assesses broadband network performance.

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 Lab's facilities and testing capabilities.

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
- Machine Learning
- 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
- Cross team knowledge sharing

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: Currenting taking a course on cloud computing, and intending to deploy a personal website using AWS in the near future