

Micah Novak

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Work Experience

Marquette Teachers Assistant

August 2025 to Current

Assisted Teaching Ethical Hacking Class

- Assisted in facilitating lectures, labs, and grading assignments for undergraduate students.
- Supported students with understanding penetration testing tools, network security fundamentals, and ethical hacking methodologies.

Abbott Laboratories

June 2023 to August 2023

Cybersecurity Intern, Risk and Quality Assurance Team

- Assisted in the development of division leadership tabletop exercise
- Prepared and presented a ransomware tabletop exercise

Cybersecurity Intern, Attack Surface Management Team

- Created and assigned tags to relevant assets within Qualys to identify manufacturing assets which will help to improve the quality of the different metrics presented related to manufacturing
- Created and assigned tags within Qualys to group assets by divisions
- Helped with improving the quality of the vulnerability data which is used in metrics reported monthly to stakeholders across the enterprise

Other Experience

- *Self-Employed: Motorcycle Repair & Sales – Rehabbed and resold motorcycles and dirt bikes (2023–Present).*
- *Lifeguard: Lake Geneva Water Safety Patrol – Certified in CPR; assisted with water rescues and boat patrols (2021).*

Projects

IoT Penetration Testing Lab | Personal Project | Kali Linux, Nmap, Wireshark

- Designed and built a controlled penetration testing environment targeting smart IoT devices.
- Simulated real-world attack scenarios, identified vulnerabilities, and documented mitigation strategies.

Weather Station & Archiving System | Software Engineering Project | Python, SQLite, JSON

- Built a Python-based system to generate and archive simulated weather data for U.S. national parks.
- Implemented SQLite integration, JSON ingestion, and logging with added features like sensor health monitoring and risk scoring.

Project Saturn – AI-Embedded Smart Garden System | Senior Design Project (*In Progress*) | IoT, Python, Embedded Systems

- Built an IoT device with AI monitoring to optimize plant growth.
- Developed mobile/web apps to track plant health and soil data.
- Implemented security for data collection and device communication.
- Collaborated in a 4-person Agile team for prototyping and testing.

Skills

- **Languages:** Python, Java, C, C++, C#, x86 Assembly, Linux, Impcore
- **Security Tools:** Qualys, Splunk, Wireshark, Nmap, Armis, Ubuntu, Kali Linux
- **Other Tools & Platforms:** GitHub, PowerBI, SharePoint, Unity, Jupyter Notebook, WordPress, VS Code, IntelliJ, Eclipse
- **Methodologies:** Agile (Scrum, XP), Secure SDLC, Penetration Testing, Incident Response

Volunteer Work, Awards, and Interests

- KOV Summer Kids Camp (2018–2022) – Served as a lead counselor for 200 children (ages 7–15), organizing and facilitating activities in sports, crafts, and leadership development.
- Pere Marquette Scholarship Recipient – Recognized for academic excellence and leadership.
- Computer Science Teaching Assistant – Assisted in computer science instruction at both Milwaukee Public Middle School and Milwaukee Public High School, supporting students in coding concepts and problem-solving.
- Personal Interests – Passionate about volleyball, disc golf, bowling, dirt biking, scuba diving, and traveling

Education

- Significant Classes Completed – Operating Systems, Hardware Systems, Ethical Hacking, Algorithms, Penetration Testing, Network Security, Software and System Security

Marquette University, Milwaukee, WI – B.S. Computer Science, Cybersecurity Minor | GPA: 3.5/4.0 | May 2026