

Omar Taha

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EXPERIENCE

Cyber Security Operations Centre Analyst

Sep. 2024 – Present

Manitoba Hydro

Winnipeg, MB

- Lead threat detection efforts as the go-to expert for Microsoft Cloud SIEM, building and maintaining detection rules to stay ahead of evolving threats and vulnerabilities.
- Reduced alert noise by over 90% through refining detection queries, cutting down false positives and boosting analyst focus on real incidents.
- Expanded visibility over the organization's attack surface by integrating new SIEM connectors and improving coverage of key cloud and on-prem environments.
- Rebuilt how SIEM content is documented by transitioning the team from scattered notes to a centralized, standardized system with clear structure and long-term maintainability.
- Designed and built interactive dashboards from scratch to visualize threat trends, incident status, and risk metrics that improved executive visibility and decision-making.
- Developed automated workflows and playbooks using Microsoft Logic Apps to speed up incident response and reduce manual tasks.
- Serve in monthly on-call rotations, responding to after-hours security threats and helping contain risks quickly when they matter most.

Junior Web and Application Developer (Co-op Term 2)

Jan. 2024 – Apr. 2024

Government of Manitoba

Winnipeg, MB

- Built and maintained 5+ dynamic eForms using HTML, CSS, jQuery, and Parsley.js to support internal operations across departments.
- Delivered custom form enhancements based on departmental feedback, including usability improvements like auto-scrolling table fields to streamline data entry.
- Created reusable jQuery modules which includes single-line components for digital signatures and auto-filled dates which reduced dev effort and improving consistency across forms.
- Designed and launched an internal documentation portal from scratch, cataloging all custom-built modules with clear usage examples for future co-op developers.

Cyber Security Operations Intern (Co-op Terms 1 & 3)

May 2023 – Aug. 2023 , May 2024 – Aug. 2024

Manitoba Hydro

Winnipeg, MB

- Investigated and triaged security alerts using Microsoft Sentinel and Defender, contributing to incident response efforts across multiple co-op terms.
- Reduced false positives by fine-tuning rule logic and applying context-aware filtering techniques.
- Documented key IR processes and created flowcharts to support knowledge sharing and faster onboarding.
- Collaborated with the Risk and Governance team to lead phishing awareness campaigns and publish internal threat bulletins, helping strengthen organizational security culture.

Computer Science TA/Grader (Intro to CS I & II, OOP)

Jan. 2023 – Apr. 2025

University of Manitoba

Winnipeg, MB

- Provided academic support through twice-weekly sessions at the Computer Science Help Centre, assisting first- and second-year students with course concepts and programming assignments.
- Graded 100+ exams and assignments on a biweekly basis, offering detailed, constructive feedback to reinforce understanding and improve performance.

EDUCATION

University of Manitoba

Winnipeg, MB

Bachelor of Computer Science (Co-op Option), GPA: 3.7

Jan. 2020 – Apr. 2025

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, KQL (Azure Query Language)

Frameworks: React, Node.js, JUnit, Axios.js

Developer Tools: Git, GitHub Actions (CI/CD), Azure SecOps, Splunk, IntelliJ, CLion, VSCode, WinSCP, Unix Shell

Libraries: Puppeteer, Swing, JDBC, jQuery, Parsley

Security Tools: Splunk, XDR, Sentinel, SOAR