

PROFILE

Computer Engineering student (University of Ottawa, Co-op) with hands-on experience in cybersecurity operations, IT general controls, network infrastructure, and data analytics. Skilled at tracing technical issues to root cause, validating changes against change-management protocol, and translating complex technical risk into clear findings for technical and non-technical stakeholders.

EDUCATION

Bachelor of Applied Science in Computer Engineering

09/23 – Expected 05/28

University of Ottawa, Ottawa, ON

- Certification: Wazuh SIEM/XDR Training Certification — Cybastion, 2026

TECHNICAL SKILLS

IT Risk & Governance: ITGC concepts, GRC, IAM, Zero Trust, MITRE ATT&CK, change-management validation, access-control review, technical documentation

Security & Networking: SIEM/Wazuh (agent deployment, custom rules & decoders, FIM, rootkit detection), SOC monitoring & incident triage, firewall administration (OpenBSD pf, Fortinet), VPN (WireGuard, OpenVPN), Wireshark, Active Directory/GPO, Ansible, Security Onion, Splunk

Cloud & Data: Databricks (medallion architecture), SQL, Power BI, PostgreSQL, Docker, Ollama/LLM integration

Software Development: Python, Java, C++, JavaScript, HTML, FastAPI, React.js, Django

Tools & Platforms: GitHub, Linux/ESXi virtualization, UML, Quartus II, VHDL, MATLAB, Simulink

Languages: Fluent: French, English, Arabic | Intermediate: Spanish

WORK EXPERIENCE

Cybersecurity Intern (Co-op) — Cybastion, Arlington, VA

Jan 2026 – Present

- Deployed a persistent site-to-site WireGuard VPN tunnel under OpenBSD, interconnecting two distinct LANs over a /30 link to secure inter-site communications.
- Monitored and triaged security alerts within a live SOC environment, supporting incident response, risk escalation, and shift-handover reporting.
- Administered Wazuh SIEM/XDR agents across 28+ endpoints; traced a fleet-wide connectivity outage through routing, VLAN, and firewall layers to an OpenBSD pf misconfiguration following a network switch migration (Arista → TP-Link), validating each corrective change per change-management practice.
- Designed and executed an RDP brute-force simulation lab (Kali Linux, Hydra) against a Windows 11 target, analyzing Event ID 4625 alerts to validate detection logic and control effectiveness.
- Identified a Windows 11 Group Policy conflict silently exposing USB mass-storage access across endpoints, and built an automated LGPO-based remediation with supporting documentation for repeatable, audit-ready deployment.
- Administered ESXi virtual infrastructure, VPN, and firewall configurations; hardened DNS visibility by disabling DoH/DoT across company endpoints to reduce exposure to monitoring-evasion techniques.
- Completed training across five cybersecurity domains (SOC operations, GRC, IAM, application security, cloud security); delivered weekly research presentations on MITRE ATT&CK and Zero Trust architecture to technical and non-technical audiences.

Full Stack Developer Intern (Co-op) — FiscoTax Project — Agilerack Inc., Ottawa, ON

May 2025 – Aug 2025

- Built a tax management platform (FastAPI, React.js) with a modular, API-based architecture, including a responsive interface for tax filing, income entry, and automated PDF report generation.
- Designed interactive visualizations and simulation tools to model tax scenarios and assess risk exposure, and integrated a locally-hosted AI chatbot (Ollama) for real-time user assistance.
- Set up a secure Docker deployment environment and evaluated local vs. cloud hosting trade-offs for data security; authored technical specifications and UML diagrams.

Data Developer Intern — Momentum Technologies, Québec City, QC

Jun 2024

- Built a Databricks data warehouse using the medallion architecture (bronze/silver/gold) to structure ingestion and transformation pipelines.
- Developed automated data cleaning, validation, and transformation pipelines to improve data reliability, and optimized table structures for analytical query performance.
- Created interactive Power BI dashboards enabling business users to track KPIs, translating technical data structures into clear, decision-useful insights.

SELECTED PROJECTS

Video Manager Audio Transcript — Cybastion Project

Ongoing, 2026

- Building a Python automation tool that navigates video platforms and extracts audio transcripts via speech-to-text analysis (Whisper); resolved a series of environment/dependency conflicts and is migrating the tool to Docker for portability.

OpenCTI → Wazuh Integration — Cybastion Project

June 2026

- Building a Python script (pycti) that exports IPv4 indicators from OpenCTI into a Wazuh CDB list for real-time detection.