

# Evan E. Oseen

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## Experience

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**Rogers Cybersecurity Catalyst**, Ontario, Canada

Oct. 2025 – Present

### *Cybersecurity Intern*

- Built Python data pipelines (pandas) to aggregate and clean cybersecurity workforce datasets.
- Developed dashboards using Power BI, Tableau, and Excel to visualize workforce skill trends and insights.
- Automated data cleaning workflows and standardized job titles to improve dataset consistency and accuracy.

**Halian International**, Toronto, ON, Canada

May 2024 – Sept. 2024

### *Project Coordinator Intern*

- Coordinated project tasks, schedules, and documentation across cross-functional teams.
- Tracked deliverables and maintained project records to support on-time completion of milestones.

## Projects

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### **Automated Crypto Trading Bot**

- Built a Python automated trading bot using the Kraken REST API with live CAD trading, configurable risk controls (position sizing, daily loss limits), and volume spike detection (3x threshold).
- Integrated Claude AI to analyze RSS news headlines for buy/sell signals and monitor new exchange listings; deployed 24/7 on Hetzner VPS as a systemd service — [github.com/evanoseen/kraken-bot](https://github.com/evanoseen/kraken-bot).
- Implemented new listing monitor that watches the Kraken blog RSS feed and auto-buys newly listed coins within seconds of announcement.

### **DocMind — Local RAG Document Assistant**

- Built a full-stack AI app (FastAPI + ChromaDB + Ollama) for chatting with uploaded documents (PDF, TXT, MD) using a locally hosted LLM with semantic vector retrieval and streaming responses.
- Implemented sentence-transformer embeddings, cosine similarity ranking, and SSE token streaming; fully local — no data leaves the machine — [github.com/evanoseen/docmind](https://github.com/evanoseen/docmind).
- Designed a clean single-page UI with document management (upload, delete, per-doc chat) and real-time source attribution showing relevance scores for each retrieved chunk.

### **Phishing URL Detector**

- Built a machine learning classifier (Random Forest, scikit-learn) that detects phishing URLs by extracting 20 structural and content-based features — HTTPS usage, IP addresses, suspicious keywords, subdomain depth, and URL length.
- Trained on 10,000 URLs (50/50 legit vs phishing) achieving 100% accuracy; deployed as an interactive Streamlit web app with real-time predictions — [github.com/evanoseen/phishing-detector](https://github.com/evanoseen/phishing-detector).

### **Threat Intelligence Dashboard**

- Aggregated public threat intelligence datasets and visualized attack patterns using Python and Power BI; transformed raw data into structured insights for monitoring and analytical reporting.
- Mapped threat actor tactics to the MITRE ATT&CK; framework, enabling pattern recognition across attack vectors and supporting proactive security monitoring workflows.

## Technical Skills

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- **Programming:** Python (pandas), SQL, Java, C, C++, Bash
- **Tools:** Wireshark, Splunk, Docker, GitHub, Power BI, Tableau, FastAPI, Ollama
- **AI/ML:** RAG pipelines, Vector DBs (ChromaDB), LLM integration (Claude API)
- **Cybersecurity:** NIST CSF, Threat Intelligence, Vulnerability Analysis, Log Analysis
- **Analytics:** Excel (Power Query, PivotTables), Data Analysis, Dashboards
- **Other:** TCP/IP, REST APIs, Linux VPS, Docker, systemd, BPMN, UML

## Certifications

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- IBM Cybersecurity Fundamentals
- Microsoft Azure Fundamentals (AZ-900)
- Google Cybersecurity Professional Certificate
- AWS Certified Cloud Practitioner

## Education

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**Toronto Metropolitan University**

Sept. 2023 – Present

Bachelor of Commerce – Business Technology Management | Minor: Cybersecurity