

# DANIEL DINARI

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## EDUCATION

### Queen's University

Kingston, ON

Bachelor of Computing (Honours), focus in Cybersecurity

Sept 2021 – Apr 2026

- **Relevant coursework:** System Level Programming, Computer Networks, Database Management Systems, Software Architecture, Software QA, Data Structures, Algorithms, Operating Systems, Computer Architecture
- **Awards:** Dean's Honour List 2021, **1st place at Queen's** in QCTF 2024, Queen's University Excellence Scholarship 2021
- All previous **CTF placements** on my website

## EXPERIENCE

### Cybersecurity Consultant Intern

Toronto/Markham, Ontario

IBM

May 2024 – Apr 2025

- Lead the development of a **patent-pending Gen-AI** project using **IBM WatsonX** for **Identity & Access Management (IAM)**
- Leveraged **IBM QRadar** SIEM integration with **ServiceNow** to resolve security incident tickets (**IR**)
- Architected and implemented a fully custom IAM solution in **IBM Security Verify** for federal government entities
- Developed **Python automation** scripts using IBM Security Verify APIs to streamline the initialization process
- Authored comprehensive **technical documentation** and build books noting implementation and maintenance protocols
- Collaborated with the SOC infrastructure team to optimize **Ansible playbooks** for Windows server automations
- Collaborated on RFP responses for major Canadian institutions, contributing to enterprise security solution proposals

### Cybersecurity Intern and IoT Technician

Toronto, Ontario

Edgecom Energy

May 2023 – Aug 2023

- Collaborated with Compliance Analysts to fulfill requirements outlined by the **OEB Cybersecurity Framework**
- Managed the company-wide deployment of **MS Intune**, enabling strict compliance policies
- Assisted in optimizing the internal file directory, applying the principle of least privilege (**PoLP**)
- Executed an **uninterrupted migration** of the network infrastructure to Ubiquiti, using **VLAN segmentation & QoS**
- Developed a data visualization dashboard using **PostgreSQL** and **REST APIs** in Grafana

### Information Technology Admin Intern

Markham, Ontario

Oak Valley Health - Markham Stouffville Hospital

May 2022 – Aug 2022

- Supported 200+ nurses & physicians, on-site and remotely, through the hospital-wide Meditech software upgrade
- Responsible for training the incoming interns along with creating and distributing news material through the MSH website

## PROJECTS

**dinari.ca** | [Git](#), [HTML/CSS](#), [Hugo](#), [CI/CD](#), [Cloudflare](#), [SSL/TLS](#), [Google Analytics](#)

Feb 2023 – Present

- CI/CD with automated builds
- Optimized for responsiveness with <0.4s TTI while serving 1k+ unique visitors /month

**Self-hosted media server** | [Ubuntu Server](#), [Docker](#), [Omada](#), [Syncthing](#), [Ansible](#), [Tailscale](#), [Jellyfin](#)

July 2022 – Present

- Server is connected to an HPE network switch for **VLAN** configuration, PiKVM for a budget **IPMI**
- Server management behind Tailscale VPN and **Docker** containers for back-end. **Omada** Software Controller for **SDN**
- Syncthing for a constantly syncing file-system between local or remote devices (**HA**)

**VPN Server** | [Hetzner Ubuntu instance](#), [Wireguard](#), [Bash Scripting](#), [IP tables](#), [qrencode](#), [fail2ban](#)

May 2021 – July 2021

- Built a VPN on Wireguard to tunnel endpoints' traffic. **Firewall** config using **IPTables & UFW**
- Written Bash script for **automation** of adding 20+ users and generations of QR codes

## TECHNICAL SKILLS

**Cyber-security:** Active **Secret Clearance Level II**, **Top 6%** in **picoCTF 2024**, **Top 4%** in RingZeroCTF, **Top 7%** in TryHackMe

**Languages:** Python, Bash Scripting, Java, SQL, Assembly, C, Go, PowerShell, Haskell, Prolog

**Python Libraries:** pwntools, angr, Z3Prover, Faker, Scapy, PyTest, NumPy, Cryptography, Matplotlib

**Tools:** Ghidra, GDB (pwndbg), Pycdc, Linux KVM, Regex, Burp suite, Wireshark, VMware, Raspberry Pi, Arduino, Solidworks

**DevOps:** Git, Azure AD, RedHat based OS (Fedora), OOP, Docker, Agile Development, Systematic Testing, AWS, Ansible

**General:** Soldering, Electrical knowledge, FPV drones, 3D printing & design