

# DANIEL DINARI

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## EDUCATION

### Queen's University

Kingston, ON

*Bachelor of Computing (Honours), focus in Cybersecurity*

*Sept 2021 – Apr 2025*

- **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, 5th in QCTF 2023, Queen's University Excellence Scholarship 2021
- All previous **CTF placements** on my website

## EXPERIENCE

### 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**), and reconfigured access groups in company's password manager for enhanced security
- 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
- Tasked with provisioning LoraWAN gateways and sensors. Created **documentation** for the process

### Information Technology Admin Intern

Markham, Ontario

*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
- Created, organized and distributed news material through the MSH website

### Information Technology Assistant

Markham, Ontario

*CDI Computer Dealers Inc.*

*Sept 2019 – Jan 2020*

- Assisted in managing active directory, installing windows and network configuration on problematic computers
- Help desk: assisted with solving network, software, and printer issues of hundreds of users

## 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
- 1k+ Unique visitors per month

**Self-hosted media server** | *Ubuntu Server, Docker, KVM, Ansible, Syncthing, 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** services for back-end with Jellyfin providing front-end
- Syncthing for a constantly syncing file-system between chosen devices in the LAN (**HA**)

**VPN Server** | *Hetzner Ubuntu instance, Wireguard, Bash Scripting, IP tables, qrencode, fail2ban*

May 2021 - July 2021

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

## TECHNICAL SKILLS

**Cyber-security:** **Top Security Clearance In-Progress, Top 10% in picoCTF 2023**, Top 7% in TryHackMe, NIST NVD familiarity, 5th place in QCTF 2023, Currently pursuing eJPT, RE and Web3 experience

**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, Docker, OOP, Agile Development, Systematic Testing, AWS, Ansible

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