

# Danial Dinari

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## Education

### Queen's University

Kingston, ON

*Bachelor of Computing (Honours), in Security*

*Sept 2021 - Apr 2025*

- **Relevant coursework:** System Level Programming, Data Structures, Computer Architecture, Software Specifications, Logic for Computer Science
- **Awards:** Dean's Honour List 2021, 5th place in QCTF 2023, Queen's University Excellence Scholarship 2021
- All previous **CTF placements**

## Experience

### Information Technology Admin Intern

Markham, Ontario

*Markham Stouffville Hospital*

*May 2022 - Aug 2022*

- Provided on-site and remote support through emails and phone calls for 200+ nurses and physicians with issues regarding the hospital-wide Meditech software upgrade
- Monitored two hospital floors, providing on-demand support to physicians and nurses for problems like logging-in via VPN, being unable to print medical documents, and more
- Responsible for training the incoming interns about the Meditech software
- Created, organized and distributed news material through the MSH website and posters

### 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
- Deployed MS Office 365 and other packages like graphics drivers for users in various departments
- Help desk: assisted with solving network, software, and printer issues of hundreds of users

## Projects

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

*Feb 2023 - Present*

- Personal website showcasing my portfolio and CTF writeups
- CI/CD with automated builds
- Fully optimized for responsiveness with <0.4s TTI (Time To Interactive)
- 800+ Unique visitors per month

**Self-hosted media server** | *Ubuntu, Docker, Raspberry Pi KVM, Seafile, Tailscale, Sonarr, 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
- Docker services for back-end with Jellyfin providing front-end
- Seafile for a constantly file syncing system between chosen devices in the LAN (HA)
- Used by my household

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

*May 2021 - July 2021*

- Built a VPN using Wireguard used to fully or split tunnel a device's traffic
- Written Bash script for automation of adding users and generations of QR codes
- 20+ simultaneous users

## Technical Skills

**Languages:** Python, Bash Scripting, Java, Assembly, C, SQL, Currently learning Go

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

**Cyber-security:** Top 10% in picoCTF 2023, Top 8% in TryHackMe, Completed THM's PreSecurity and Web Fundamental paths, 5th place in QCTF 2023, Currently pursuing eJPTv2, RE and Web3 experience

**Tools:** Burp suite, IDA Pro, Ghidra, Wireshark, VMware, Raspberry Pi, Arduino, VSCode, Kali, Cpanel, AutoCAD, Fusion360

**DevOps:** Git, Docker, Google Cloud Platform, Kubernetes

**General:** Soldering, Electrical knowledge, 3D printing, 3D design, FPV drones, Clustering, Always keeping up-to-date with new hardware technologies