Danial 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, Software Architecture, Data Structures, Operating Systems, Computer Architecture, Software Specifications, Logic
- **Awards:** Dean's Honour List 2021, 5th place in QCTF 2023, Queen's University Excellence Scholarship 2021
- All previous **CTF placements**

Experience

Cybersecurity Intern and IoT Technician   Markham, 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 and 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, 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 and Docker services for back-end with Jellyfin providing front-end
- Seafile 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 fully or split tunnel a device's traffic
- Written Bash script for automation of adding 20+ users and generations of QR codes

Technical Skills

Cyber-security: Top 10% in picoCTF 2023, Top 7% in TryHackMe, 5th place in QCTF 2023, Currently pursuing eJPTv2, RE and Web3 experience

Languages: Python, Bash Scripting, Java, Assembly, C, SQL

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

Tools: Ghidra, GDB (pwndbg), Kali, Regex, Burp suite, Wireshark, VMware, Raspberry Pi, Arduino, Solidworks

DevOps: Git, Docker, OOP, AWS

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