Aidan Elliott-Korytek

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Education

Queen's University *Sept 2023 – Present*
Bachelor of Computing, Computer Science Major

Relevant Coursework and Self-Study

- **Computer Architecture & Operating Systems:** Studied stack discipline, memory layout, buffer overflow vulnerabilities, disassembly, process and thread management, and memory protection mechanisms.
- **Computer Networks (In Progress):** Studying network protocols, packet-level analysis, and principles of secure and reliable data transmission.
- **Database Management Systems (In Progress):** Studying relational database design, normalization, and SQL querying fundamentals.
- **TryHackMe & PicoCTF (Self Study):** Completed guided hands-on cybersecurity labs covering Linux, networking, and binary exploitation.

Experience

Cybersecurity Intern *July 2025 – August 2025*
QLogitek

- Designed and implemented a PowerApps-based vulnerability tracking board to streamline review and prioritization of Nessus vulnerability scan results.
- Integrated vulnerability metadata including severity, affected systems, remediation status, and review notes to improve clarity and reduce manual triage effort.
- Assisted in assessing a deprecated Java Tomcat application with minimal documentation, focusing on understanding system behavior and identifying potential security risks.
- Collaborated with team members to improve vulnerability review workflows and reporting processes using Microsoft Office and Power Platform tools.

Projects

aidanek.dev ↗ (SSH-Based Interactive Portfolio) *GitHub* ↗
Python, AsyncSSH, Textual, Linux, systemd, nginx

- Designed and implemented a public-facing interactive portfolio accessible entirely over SSH, providing a terminal-based user interface for browsing projects, skills, and links.
- Built a custom SSH server using AsyncSSH and Textual, including session management, rate limiting, logging, and sandboxed execution without shell access.
- Deployed and hardened the service on a Linux VPS with key-only OpenSSH administration, custom ports, systemd service isolation, and Fail2Ban protection.
- Implemented environment-based configuration, secure host key management, and structured logging to support safe public access and maintainability.

Secureconfig (OpenSSH Security Scanner CLI) *GitHub* ↗
Python

- Designed and implemented a Python CLI tool to scan OpenSSH server configuration files for common security misconfigurations.

Technical Skills

Languages: Python, Java, C, HTML/CSS
Technologies: Git, Linux, pwndbg, pwntools, Wireshark, objdump, OpenSSH, Ghidra
Other: Microsoft Office 365, Photoshop, After Effects, Premiere Pro, Ableton Live Suite 12