

JAMES RUNTAS

jamesruntas.ca

EDUCATION

Bachelor of Engineering, Computer Systems Engineering, Level 4.

Carleton University, Ottawa, Ontario

Graduation May 2023

WORK EXPERIENCE

Bell, Cyber Threat Intelligence Technology Specialist

2022

- Automated provisioning and configuration management of environments using infrastructure-as-code techniques as much as possible.
- Worked in Bell's experimental Blue Team part of IS Response / Corporate Security. Also provided assistance for the Red Team.
- Designed and administered an internal corporate web application (react js) I named AbuseHelper used for tracking, and visualizing information on flagged malicious IPs. Accessible by the entire Incident Response team at Bell.
- On site I Administered High Capacity, High Security appliances such as Desktops, Servers, cloud storage environments
- Managed a co-op student working under me, assisting and teaching him about software and hardware engineering.
- Researched, designed, wrote (Python, JS, batch scripts, shell scripts), deployed and maintained applications for use in Bell Corporate Security
- Active participation and leadership in team seminars and various workshops in my area of expertise,
- Analyzed complex problems and incidents, and resolved them in order to minimize the impact on the clients.
- Administration of several dozen servers (I built, racked, and load tested) and internal network for IS Response use.
- Designed and administered dockerized Arkime(Moloch) environment.

Bell, Cyber Security Network Administration Co-op

2021

- Front-end software development (Java, Python), writing Linux scripts, database management
- Installing and configuring servers (hardware and software), and networks within a lab environment
- Identifying and solving problems that arise with the servers, networks, and systems.
- Building and repairing Desktops/Laptops for Bell Employees as per their hardware requests

SKILLS AND QUALIFICATIONS

- Several years experience in Python, C, Java, C++, Go, JS, React Web Dev.
- Docker, Kubernetes, Penetration Testing, Firewall config, encryption and cryptography.
- Network Administration and Virtual Machine Environment Management
- Digital circuit design, electrical circuit engineering, computer hardware design and testing.
- Windows and linux command line
- Provided with training (from Bell) for Penetration Testing (PNPT Certification) and Capture the Flag hacking challenges.
- PC and Server hardware engineering, troubleshooting, and optimization.
- Machine Learning in Python (Carleton University Course).
- Project Development experience including: Proposals, Testing, Implementation and Team Management

PROJECTS

Haptic Feedback Electronic Instrument: Accessible Interactions Beyond the Keyboard

- Recreation of a visual electronic instrument that is played by finger painting of four pressure pads, adding haptic feedback.
- Project tied for 2nd Place in the 2022 Systems and Computer Engineering Capstone Design Project Competition.

Alpha Security² System

- Alpha Security² is an independent open source, fully modular security system using Raspberry Pi.
- Built using python and C, a fully cloud based system and also includes an android application for monitoring security..

Other Projects

- Co-managed a group of students to research sustainable energy storage options for the campus. Presented to several University Board Members.
- Enigma Machine Brute Force attack python project. Wordscapes Solver, Wordle Solver, Sudoku Solver