

# James Runtas

(647) 323-3062 [jamesruntas@cmail.carleton.ca](mailto:jamesruntas@cmail.carleton.ca) [jamesruntas.ca](http://jamesruntas.ca)

## SKILLS

---

**Programming Languages:** Python (Scrapy, Requests, Pillow, Tkinter, Numpy, Pandas, Scipy, Sci-kit learn, Tensorflow, Pytorch, Keras Django), Java & Javascript (Node.js, React, Angular), C/C++, Go, CSS, SQL.

**Tools & Frameworks & Big Data:** Docker, Kubernetes, Anaconda, Kafka, Elasticsearch, Kibana, OSINT, Wireshark, Metasploit, Searchsploit.

**Operating Systems:** Windows (7-11), RHEL (7-9), Kali Linux, Debian (10/11).

## EXPERIENCE

---

### Senior Information Technology Consultant, EY - Ottawa, ON

November 2023 -

- Providing advisory services related to tax credits for Scientific Research and Experimental Development (SRED).
- Collaborating with technology leaders in various sectors, including software development, cybersecurity, wireless networks, data analytics, defense, robotics, and the Internet of Things (IoT) across Ottawa and the Toronto area.
- Integration of technological expertise with numerous opportunities in the financial and business sectors.
- Engage with CTOs, Chief Architects, and Software Developers to evaluate client eligibility for funding, determine claimable amounts, and formulate technical project descriptions that detail innovation and development activities. These discussions encompass topics such as new prototypes, innovative software architectures, improved algorithms, and emerging frameworks.

### Engineering Research Associate, Carleton University - Ottawa, ON

June 2023 - October 2023

- In collaboration with renowned instrument designer Tim Thomson, Music Department Chair Dr. Jesse Stewart, and Systems and Engineering Professor Dr. Carlos Rossa, developed an Audio-Visual-Haptic electronic instrument. The Instrument features touch-sensitive pressure pads and a touch screen to choose over 64 electronic instruments, enabling users to create live musical sounds with visual and haptic feedback through touch interaction. The project secured a federal grant from the Canada Foundation for Innovation, enabling a permanent display of the instrument at Carleton University. Future showcases at Canadian Museum of Nature: Nature Nocturne events, featuring live shows, workshops, and demos.

### Cybersecurity Software Engineer, Bell Canada - Ottawa, ON

May 2022 - December 2022

- Delivered hardware and software solutions to multiple branches within Bell's IS Response sector, ensuring robust system security engineering, risk assessment, and application security to safeguard critical assets.
- Engineered multifaceted applications, notably in domains such as User Access Management Automation, Virtual Machine Tailoring, Network Traffic Representation, and a comprehensive Abusive IP Repository.
- Mentored and directed a co-op intern in hardware-centric tasks within a specialized server environment.
- Proactively engaged in diagnosing, chronicling, and scrutinizing a plethora of security anomalies, spanning a myriad of virtual platforms and servers operated by disparate corporate factions

### Systems Engineering Co-op, Bell Canada - Ottawa, ON

May 2021 - December 2021

- Immersed in an agile co-op, amplifying secure software implementations and network blueprints.
- Cultivated proficiency in Network Administration, championing server resilience, fidelity, and impregnability.
- Innovated an automated daily email report regarding Bell-affiliated domain imitations & orthographic manipulations.
- Assiduously maintained, elevated, and refurbished an array of server and desktop hardware systems for interdisciplinary teams.
- Strategized and executed a comprehensive rejuvenation of a server hub, integrating contemporary hardware, fortified security, advanced networking, and meticulous monitoring paradigms.
- Tackled and rectified network susceptibilities through intensified surveillance and rectification patches.

## EDUCATION

---

### Carleton University

Bachelor of Engineering in Computer Engineering

August 2023

*Undergraduate Capstone Project Competition, 2nd Place.*