

James Runtas

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EXPERIENCE

Senior Information Technology Consultant

Ernst & Young LLP

November 2023 – Present, Ottawa

- 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.
- Providing advisory services related to tax credits for Scientific Research and Experimental Development (SRED).
- 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

September 2022 – November 2023, Ottawa

- Collaborated with renowned instrument designer, Music Department Chair, and faculty of Systems and Computer Engineering to develop an innovative Audio-Visual-Haptic electronic instrument.
- Designed and integrated touch-sensitive pressure pads and a touch screen interface to allow selection from over 64 electronic instruments, providing users with real-time musical creation enhanced by visual and haptic feedback.
- Secured a federal grant from the Canada Foundation for Innovation, facilitating a permanent display of the instrument at Carleton University.
- Future showcases at the Canadian Museum of Nature's Nature Nocturne events, including live shows, workshops, and demonstrations.
- Employed by the Faculty of Music to conduct upgrades, installations, and provide IT support for live events.
- Achieved an A+ grade and won 2nd Place in the 2021/2022 Undergraduate Computer Engineering Project Competition.

Cybersecurity Software Developer

Bell

May 2021 – December 2022, Ottawa

- Promoted from Cyber Threat Intelligence co-op to full-time while completing undergraduate studies.
- Delivered hardware and software solutions, enhancing system and application security for Bell's IS Response sector.
- Developed applications in AD Automation, Virtual Machine Tailoring, Network Traffic Representation, and Abusive IP Repository.
- Developed an automated daily email report on domain imitations and orthographic manipulations.
- Mentored a co-op intern in hardware tasks within a specialized server environment.
- Diagnosed and documented security anomalies across virtual platforms and servers for various corporate divisions.

PROJECTS (More @ jamesruntas.ca)

MLB Wizard

Toronto Blue Jays • github.com/jamesruntas/BlueJaysChallenge • June 2023 – July 2023

- Developed a dynamic and interactive web application for the Toronto Blue Jays, integrating both backend and frontend components.
- Engineered the application using Python, React, Node.js, and Django to ensure robust performance and scalability.
- Analyzed and reported on API limitations, identifying key areas for enhancement.
- Suggest improvements and bug fixes to MLB API technology, enhancing the application's functionality and user experience.

Alpha Security Squared

Carleton University • github.com/bradenhayes/Alpha_Security • September 2021 – April 2022

- Fully modular Cloud-based Home Security system utilizing Raspberry Pi / Python / Android SDK.
- Users can register/login to the mobile app.
- Monitor the status of motion sensors, tripwires, cameras, and sound detection.
- A+ and 1st Place in Systems and Computer Engineering 3rd year undergraduate course

EDUCATION

Bachelor of Engineering in Computer Systems

Carleton University • Ottawa, ON • 2023

SKILLS

Python, Java & JavaScript, C/C++, Go, SQL, Docker, Kubernetes, Anaconda, Windows, RHEL, Kali, Debian.