Jacob Medeiros

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EDUCATION

York University — Toronto, ON
Honours Bachelor of Science, Computer Security — *Sep. 2019 – Apr. 2023*

- **Relevant Courses:** Software Tools(C, Unix), Data Structures(Java), Computer Security, Computer Organization (Risc-V)

EXPERIENCE

Risk Associate — Nov. 2019 – Present
Aritzia — *Mississauga, ON*

- Applied keen problem solving abilities to identify loss prevention opportunities and minimize loss while respecting people, brand and operations
- Safeguarded financial, information and physical assets from loss
- Supported a safe and secure work environment
- Validated and coached the store team on the importance of merchandise, financial and inventory accuracy

PROJECTS & CTF'S

Advanced Keystroke Logger | *Python* — 🔗Link to Project

- Developed a keystroke logging program using Python to gain a deeper understanding of malware
- The program stores keystrokes, victims operating system information, and IPv4 address
- Created as a tool to demonstrate a passive attack in a red-team engagement
- Implemented several modules to automate the process of distributing the data acquired

PicoCTF | *Python, Wireshark, Nmap, HTML, JavaScript* — *Mar. 2022*

- Effectively communicated with a teammate to solve various problems pertaining to cryptography, web-exploits, and digital forensics
- Placed in the top 15th percentile out of 10,000+ teams

Mortgage Calculator | *Git, Java* — 🔗Link to Project

- Developed a mortgage calculator application that calculates the monthly payment
- Leveraged GitHub to effectively work with 1 other teammate
- Improved accessibility by implementing a text to speech feature

Interactive Web Page | *Git, Hugo, Netlify* — 🔗Link to Project

- Built a interactive web page in Hugo to present my portfolio
- Effectively utilized Netlify API to host the web server
- Maintained recent updates and minor adjustments through Git

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS
Frameworks: Node.js, JUnit, React
Tools: Kali Linux, Bash, Windows, Unix, Netlify, Wireshark

ACHIEVEMENTS

Scholarship Trust Fund Recipient — Liuna Local 183
Scholarship awarded to applicants with academic excellence and community engagement — *2019-2023*

York University Entrance Scholarship — York University
Merit based scholarship awarded to students with academic excellence — *2019*