

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), Network Communications and Protocols, Computer Organization (Risc-V)

EXPERIENCE

Risk Analyst, Financial Security

June 2022 – Present

Aritzia

Toronto, ON

- Monitored performance of fraud mitigation policies and procedures, adapting in response to market patterns and trends
- Conducted fraud investigations resulting in a 20% daily increase in transactional output and cooperated with law enforcement as required
- Detected and evaluated high risk transactions and charge backs to prevent over \$1,000,000 in internal and external fraud before it occurred
- Preserved confidential and proprietary information

Risk Associate

Nov. 2019 – June 2022

Aritzia

Mississauga, ON

- Applied keen problem solving abilities to identify loss prevention opportunities and minimize loss while respecting people, brand and operations
- Safeguarded financial, informational and physical assets preventing over \$500,000 from loss
- 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

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

Portfolio Website | *Git, Hugo, Netlify*

[🔗 Link to Project](#)

- Built a reactive 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