

Jacob Medeiros

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EDUCATION

York University

Honours Bachelor of Science, Computer Security

Toronto, ON

Apr. 2024

EXPERIENCE

Risk Coordinator

Apr. 2023 – Present

Aritzia

Vaughan, ON

- Supported the successful launch and security setup of a 700,000 sq. ft. warehouse facility by collaborating with engineering teams to design and implement access control systems, CCTV, and alarm systems
- Conducted risk assessments and recommended security controls based on NIST guidelines
- Developed and implemented access control strategies, creating role-based access tailored to the organization's needs
- Successfully configured and optimized the organization's security system to align with requirements and industry best practices

Risk Analyst, Financial Security

June 2022 – Apr. 2023

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 chargebacks to prevent over \$6,000,000 in internal and external fraud before it occurred
- Maintained an 80% chargeback win rate versus the 45% industry average, preventing over \$100,000 in losses

Risk Associate

Nov. 2019 – June 2022

Aritzia

Mississauga, ON

- Applied 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 in losses
- Validated and coached the store team on the importance of merchandise, financial and inventory accuracy

PROJECTS & CAPTURE THE FLAGS

Bookmark | *Java, JavaFX, SQL*

[!\[\]\(206536f97fdb267876a3a10ea42b0254_img.jpg\) Link to Project](#)

- Developed a responsive application in collaboration with a team to effectively track users' watched movies and read books
- Leveraged users' viewing and reading history to provide personalized recommendations within the application
- Utilized a SQL database to fetch user profiles and establish new profiles

Advanced Keystroke Logger | *Python*

[!\[\]\(c1b924320d9ec7587a1dd427119524d0_img.jpg\) 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, Steghide, HTML, JavaScript*

Mar. 2023

- Effectively communicated with a teammate to solve various problems pertaining to cryptography, web exploits, and digital forensics
- Placed in the top 1st percentile out of 20,000+ teams

Mortgage Calculator | *Java*

[!\[\]\(8891837fe1b5b26680f2ee7b0ea5318e_img.jpg\) Link to Project](#)

- Developed a mortgage calculator application that calculates the monthly payment
- Improved accessibility by implementing a text-to-speech feature

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS

Frameworks: Node.js, JUnit, React, NIST

Tools: Kali Linux, Bash, Windows, Unix, Netlify, Wireshark