

# Jacob Medeiros

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## EDUCATION

### York University

*Honours Bachelor of Science, Computer Security*

Toronto, ON

*Sep. 2019 – Apr. 2023*

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

## EXPERIENCE

### Risk Associate

*Aritzia*

Nov. 2019 – Present

*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

## ACHIEVEMENTS

### Scholarship Trust Fund Recipient

*Scholarship awarded to applicants with academic excellence and community engagement*

Liuna Local 183

*2019-2023*

### York University Entrance Scholarship

*Merit based scholarship awarded to students with academic excellence*

York University

*2019*