

# Alexandra Rombos

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## Education

Toronto Metropolitan University

**Master of Science (MSc) Candidate**, Data Science and Analytics **September 2024-April 2026 (expected)**

**Bachelor of Commerce with Honours**, Business Technology Management Co-op Program **September 2019-April 2024**

### **Computer Science minors**

- Concepts/Languages: Python, Java, Object Oriented Programming, Data Structures, and Unix

## Awards and Honours

BTM Alumni Scholarship, **Ted Rogers School of Management** **December 2023**

- Awarded to the student in their final year of Business Technology Management with the highest overall GPA

Dean's List, **Ted Rogers School of Management** **2019-2024**

- Awarded to full time students with a minimum GPA of 3.50/4.33 every year

## Work Experience

Rogers Cybersecure Catalyst

**Research Assistant** **January 2023-Present**

- Research includes IOT attacks, known exploits, and recommendations for the future

Maple Leaf Sports and Entertainment

**Strategy and Analytics Intern** **January 2023-April 2023**

- Project managed the Venue Throughput initiative of Scotiabank Arena to monitor the current fan security screening process and implement recommendations for improved efficiency and reduced bottlenecks
- Visualized key findings and conclusions with Power BI and created relevant PowerPoint presentations
- Researched the Artificial Intelligence applications for the Strategy, Esports, and Analytics teams to improve their efficiency in both communications and analytics projects

Scotiabank

**Data Quality Governance Intern, Anomaly Detection** **September 2022-December 2022**

- Conducted analysis and performed test cases that leveraged Python analytics and Machine Learning libraries such as Great Expectations to predict anomalies within large data sets across the bank
- Streamlined and updated the data management tool user guide in order to increase efficiency and flow of information between the developers and end users
- Utilized Agile/Scrum methodologies, JIRA, and Confluence to track and coordinate team projects and goals

The Walt Disney Company

**June 2022-August 2022, May 2023-August 2023**

**Cultural Exchange Program Participant**

- Completed courses taught by Disney leadership about Leadership, Hospitality and Project Management
- Shared cultural experiences with other participants of the Disney Programs to enrich background and knowledge of the Global markets
- Contributed to the experience of hundreds of guests' experiences at the Walt Disney World resort as a Merchandise Hostess (2022) and Park Main Entrance Greeter (2023)

Scotiabank

**IT Risk Analyst, Global Technology Services Team** **September 2021-December 2021**

- Collaborated with risk owners that have identified vulnerabilities in their systems to document the plan and timeline for remediation
- Created dashboards in Power BI to summarize and visualize the New Initiative Risk Assessment progress
- Aligned business practices with procedure documents and all applicable RACI structures

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Scotiabank

## Business Analyst, Consumer Insights Data & Analytics

May 2021-August 2021

- Lead the Engagement Process within the Data Office to document all data initiatives within the bank
- Collaborated and met with professionals from around the world in the Scotiabank global offices to discuss their data projects and connect them to the supporting teams
- Contributed to the growth of the Data, Analytics, and AI Community of Practice on Workplace by preparing newsletters, posts, and communications to the 4000+ members

## Key Projects & Courses

### *Business Insights & Analytics Final Project, Ted Rogers School of Management*

December 2023

- Created and tested tree and regression classification models to determine their accuracy, precision, and recall in predicting whether or not a customer subscribed to a product

### *Data Visualization Final Project, Ted Rogers School of Management*

April 2022

- Utilized research methodologies to select a dataset to complement the given one and create a chart in Tableau
- Applied knowledge of quantitative attributes, qualitative attributes, colour theory, and design

### Ethical Hacking: Penetration Testing, LinkedIn Learning

October 2021

- Covered the basics of penetration testing and common methods used in the process

## Publications & Presentations

Freunek, M., & Rombos, A. (2023). Classification of cyber attacks on IoT and ubiquitous computing devices. *arXiv preprint arXiv:2312.00686*.

- Mapped and diagrammed a “family tree” to visualize the progression and classification of IoT attacks throughout the past decade

## Volunteer Experience

Peddalling for Parkinson’s Canada

### Cyclist Fundraiser Participant

August 2020, 2021

- Rode 40km as a part of the Rigid Riders Biking Team to raise awareness for Parkinson’s Disease Across Canada
- Raised over \$2000 each year for Parkinson’s Disease research in hopes of finding a cure

## Extracurricular Activities

Toronto Metropolitan University Global/Universal Creative

November 2023

### TMU Thrill Design Invitational Competition, Team Project Manager

- Organized a team of 5 passionate students to plan, design, and present solutions for the following competition areas: Safety and Accessibility, Attractions Design with an Environmental Constraint, and Mechanical Design
- Conducted all related risk, accessibility and operational planning considerations for all 3 projects

Toronto Metropolitan University

September 2023-May 2024

### Vice President, TMU Thrill Club

- Manages the club of 15 individuals alongside the President to create and execute events that foster an interested in a career in the themed entertainment industry
- Club’s activities include designing, building, and operating, a student-created escape room for the Fall 2023 term

Toronto Metropolitan University

May 2021-May 2023

### Director of Events, Women in Information Technology Management

- Lead a team to plan events to empower women in IT and Business across campus
- Planned a hackathon of over 100+ participants on campus with workshops, mentorship sessions, and a keynote