

# Marcin Zegarmistrz

DATA ANALYST, EMERGING TECHNOLOGIES SPECIALIST AND MATHEMATICS ENTHUSIAST

Toronto, Ontario, Canada

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## Education

### University of Toronto - Rotman School of Management

Toronto, Canada

MASTER OF MANAGEMENT ANALYTICS (CANDIDATE)

Sept. 2020- July. 2021

- Recipient of the Vector Institute Scholarship in AI worth \$17,500 and the Director's Entrance Award (Declined) for academic achievement worth \$10,000. Elected member of the Graduate Business Council for the Master of Management Analytics Program- Social Chair.

### McMaster University

Hamilton, Canada

BACHELOR OF HEALTH SCIENCES (HONOURS) WITH MATHEMATICS MINOR

Sept. 2015 - Apr. 2020

- Honours Thesis Project investigating the mathematical literature around quantum computing and recent claims of quantum supremacy.
- Minor and course emphasis in Mathematics (14 half-credit courses). 3.98/4.0 CGPA for mathematics courses.

## Technical Skills

**Computational Proficiency** Advanced working knowledge of **Python** with ground up development of a public Data Analytics library. Working knowledge of various libraries (keras, scikit learn, pandas etc.) Certified Desktop Specialist for Tableau. Experience in SQL, version control with Git, web scraping and more.

**Quantitative Abilities** Deep knowledge of Statistical and AI tools (Regression, CART, Neural Networks etc.), feature engineering, model development, time series analysis. Strong mathematics background (Analysis, Algebra, Topology, Differential Equations, Quantum Computing etc.) with research capabilities.

## Professional Experience

### Data Science Intern

Toronto, Canada

TERANET INC.

Sept. 2020- Present

- Applying artificial intelligence & machine learning techniques to aerial/satellite images of properties to extract structural features of residential buildings. Leveraging Keras and ArcGIS Pro tools throughout.
- In active development of a convolutional neural network coupled with a business plan presented to and approved by the director of Analytics.

### Student Research Associate

Hamilton, Canada

McMASTER UNIVERSITY

Sept. 2019 - Apr. 2020

- Comprehensive research project reviewing the mathematical literature about quantum computing and recent claims for quantum supremacy over classical computers.
- Delivered a 15-page report outlining the complexities surrounding the area of computational complexity theory in relation to quantum computing. Subsequently, created and presented a poster of my results for students and members of faculty.

## Extra-Curricular Activities

### Social Representative- Graduate Business Council

Toronto, Canada

ROTMAN SCHOOL OF MANAGEMENT

Sept. 2020- Present

- Responsible for communicating with faculty and students to organize a variety of social events and communicate student needs and concerns.
- Created and managing student virtual spaces to maintain communication channels during a study from home setting. Organized and a variety of virtual events to build cohort cohesion, including a Rotman Alumni day, Holiday Party, and variety of informal virtual socials.

### Co-Founder and President

Hamilton, Canada

FIRST INSTITUTE OF CANADIAN INVENTORS (FICI) McMASTER CHAPTER

Jan. 2018- April 2020

- Established the McMaster Chapter with the McMaster Student union.
- Hosted several workshops for 10-30 people inviting innovators from the McMaster community and the FICI headquarters to speak on innovation and protection of intellectual property.
- Ran a pitch competition which provided students a platform to strengthen their pitches on innovative inventions.

### Welcome Week Representative & Upper Year Mentor

Hamilton, Canada

FACULTY OF HEALTH SCIENCE

Sept. 2016 - Apr. 2020

- Represented the faculty and helped ease the transition to university for 3 mentees. Participated in mentorship and leadership trainings specific to building strong interpersonal relationships.

References available upon request