

Marcus Williams

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Actuary Exams

Exam 1 (Probability)
Exam 2 (Financial Mathematics)
Exam MAS-1 (Modern Actuarial Statistics-1)
Exam MAS-2 (Modern Actuarial Statistics-2)

Passed Mar.2025
Passed Dec.2024
Passed Aug.2025
Sitting Jan.2026

Education

TORONTO METROPOLITAN UNIVERSITY, Toronto, ON
(formerly RYERSON UNIVERSITY)

Class of 2024

B.Sc. (Hons) Degree, *Mathematics and its Applications.*

Minor in Computer Science

- ❖ Calculus, probability and statistics, stochastic processes, machine learning, algorithms, data mining data analytics, linear programming and optimization.
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Work Experience

Cohere Inc, Toronto, ON

Summer 2023

Data Quality Specialist

- ❖ Quality tested and refined responses of large language models by ensuring accuracy, clarity, safety, and appropriateness across diverse tasks, from writing to advanced mathematics.
 - ❖ Collaborated with superiors to analyze findings and implement improvements to model outputs.
 - ❖ Conducted rigorous evaluations of model outputs to identify inaccuracies, biases, and safety risks.
 - ❖ Documented issues and provided clear, actionable feedback to guide model improvements.
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Walmart Inc, Oakville, ON

Summer 2022

Cap-1 Associate

- ❖ Responsible for the deployment of store inventory to various departments.
 - ❖ Deployed new supply and managed overstock, organized storage areas.
 - ❖ Partnered with cross-functional teams to address supply bottlenecks, demonstrating strong analytical and communication skills in fast-paced environments.
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Little Oaks Day Camp, Oakville, ON

Summer 2018/2019

Jr and Sr Camp Counsellor

- ❖ Jr - Facilitated games and activities for children, supervised children during field trips.
 - ❖ Sr - Overseer of camp, greater responsibility to make sure children were safe and having fun.
 - ❖ Developed conflict resolution, leadership and management skills alongside spontaneous decision making in unpredictable scenarios.
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Technical Skills

R (proficient), Matlab (proficient), Python (proficient), Powerpoint (proficient), Excel (intermediate), SQL (beginner), VBA (beginner), Microsoft Access (beginner)

Projects:

- ❖ [Portfolio](#) of machine learning, exploratory data analysis projects.
- ❖ The Infinite Actuary Technical Skills Course:
 - Applying Excel, VBA, SQL, R and Python in an actuarial context.
- ❖ Housing regressor (Python):
 - Analyzed various features such as lot size, year built, garage area, and overall quality to predict the target variable, the sale price of a house.
 - Implemented recursive feature elimination to better select features prioritizes greater predictors of our target while removing weaker predictors.