CYRUS MAZ

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OBJECTIVE

Recent graduate with a strong quantitative background seeking to gain industry experience.

EDUCATION

University of Toronto, Toronto *2018 - 2019*
Master of Science in Statistics – GPA: 3.80/4.00
Recipient of the University of Toronto Fellowship (full funding)

University of British Columbia, Vancouver *2012 - 2017*
Bachelor of Science in Mathematics – GPA: 3.95/4.33
Graduated with Distinction

Selected Courses: Statistical Inference, Applied Statistics, Statistical Learning, Mathematical Statistics, Probability, Machine Learning, Monte Carlo Methods, Experimental Design and Analysis, Object Oriented Programming

TECHNICAL SKILLS SUMMARY

Tools:	Python, R, SQL, Spark
Applications:	Modelling, Inference, Machine Learning / Neural Networks, Simulations

WORK EXPERIENCE

University of Toronto *2018 - 2020*
Teaching Assistant (Undergraduate and graduate Statistics courses)

University of British Columbia *2015 - 2017*
Teaching Assistant (Undergraduate Statistics and Mathematics courses)

SELECTED PROJECTS

Market Simulation Game, *present*
Writing *Python* code to pull financial data from various exchanges; storing the data locally in a *SQL* database; and building an interactive web app with elaborate data visualizations, wherein the user can play a game that realistically simulates market dynamics, but with zero financial stake.

Partial Bayesian Neural Networks, 2019
Developed a new neural network architecture by hybridizing Bayesian and non-Bayesian architectures. Coded and tested the architecture in *Python*.

Monte Carlo Simulations for Assessing Profitability, 2018
Formulated an adaptive trading strategy tailored for volatile financial markets; coded the strategy in *Python*; and utilized *GCP* to backtest the strategy on both real and simulated price paths.

EXTRACURRICULARS

Athletics:	Swimming, Running, Soccer
Arts:	Guitar (classical/jazz/rock, former musician, 2006 - 2010)
Hobbies:	Chess, Poker, Cooking, Hiking