

# CYRUS MAZ

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## OBJECTIVE

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Recent graduate with a strong quantitative background seeking to use proven skills in problem solving and creative thinking in industry. Fast learner and highly adaptable.

## EDUCATION

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**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*

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**Selected Courses:** Statistical Inference, Applied Statistics, Statistical Learning, Mathematical Statistics, Probability, Machine Learning, Monte Carlo Methods

## SELECTED PROJECTS

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### **Partial Bayesian Neural Networks, 2019**

Developed a new neural network architecture by hybridizing Bayesian and non-Bayesian architectures. This novel approach effectively maintains the benefits of a Bayesian neural network while reducing the computational cost. (Python)

### **Analysis and Forecast of CO2 Levels in the Atmosphere, 2019**

Analyzed historical data to address misconceptions by gaining insight into the past and forecasting the future of atmospheric carbon dioxide concentration levels using statistical methodology. (R)

### **Monte Carlo Simulations for Assessing Profitability, 2018**

Formulated an adaptive trading strategy tailored for volatile financial markets, and demonstrated immense profitability by backtesting on both real and simulated price paths. (Python)

## TECHNICAL SKILLS SUMMARY

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**Tools:** R, Python, SQL, Spark

**Applications:** Modelling, Inference, Machine Learning / Neural Networks, Simulations

## WORK EXPERIENCE

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**University of Toronto** *2018 - present*

Teaching Assistant (Undergraduate and graduate Statistics courses)

**University of British Columbia** *2015 - 2017*

Teaching Assistant (Undergraduate Statistics and Mathematics courses)

## EXTRACURRICULARS

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**Athletics:** Swimming, Running, Soccer

**Arts:** Guitar (classical/jazz/rock, former musician, 2006 - 2010)

**Hobbies:** Chess, Poker, Cooking, Hiking