

MATTHEW SCICLUNA

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EDUCATION

Master's of Statistical Science, University of Toronto

Sept 2015 – Aug 2016

- Received annual Ontario Graduate Scholarship of \$15,000.

Honours Bachelor's of Science, University of Toronto

Sept 2011 – Aug 2015

- Statistics and Mathematics double major; Cumulative GPA: 3.9/4.0, major GPA 4.0/4.0.
- 1 of 7 students in entire 2015 class to graduate with High Distinction (awarded to cumulative GPA > 3.5).
- Awarded Dean's List and Honour Roll (grade > 90% in 2 or more classes) all four years of college.

WORK EXPERIENCE

Investment Developer Support, Equitable Life of Canada

Sept 2016 – Present

- Developed applications to improve efficiency and effectiveness of the investment process through automation. For example, developed web applications using Python and SQL to automate some of the tasks done by securities traders.
- Developed an application that leverages Bloomberg and a FIX protocol engine to automate security trading as well as to improve the security behind the trades.

Teaching Assistant, University of Toronto

Sept 2013 – June 2016

- Led tutorials in: Statistical Consulting, Mathematical and Applied Statistics and Machine Learning courses.
- Delivered tutorials and lectures. Designed assignments and final projects for Data Engineering course.
- Provided advice and guidance to 4th year undergraduate students in a Statistical Consulting course. Students won multiple awards at the Statistical Society of Canada Annual Meeting at Brock University.

Research Assistant to Professor Alison Weir, University of Toronto

Jan 2014 – Apr 2015

- Conducted a literature review with Dr. Alison Weir to analyze the effectiveness of active participation in tutorials on course outcomes.
- Drafted survey Ethics Protocol and helped develop survey methodology.
- Awarded \$1,000 grant to attend the 2014 Mathematical Association of America (MAA) MathFest conference.

Research Assistant to Professor Robert Gerlai, University of Toronto

Oct 2012 – Aug 2014

- Collaborated with Professor Robert Gerlai to create programs in R to analyze fish movement data.
- Utilized machine learning algorithms to gain better understanding of fish behaviors in response to alcohol exposure.
- Awarded \$5,000 National Sciences and Engineering Research Council of Canada (NSERC) Undergraduate Student Research Awards (USRA) grant from Canadian Federal Government.
- Presented research comparing methods of quantifying complex behavior against manual techniques at Ontario Biology Day 2014 and NeuroXChange 2014.

SKILLS AND INTERESTS

- Skills: R, Git, Python, SQL, LaTeX, Excel, Java, C, SAS, MATLAB, HTML, JavaScript and CSS
- Interests: Big Data, Internet of Things, Politics, Filmmaking, Music and Animal Psychology