

## SUMMARY OF QUALIFICATIONS

- Passed CAS exam P, FM, MFE and C (S sitting in Fall); received VEE Economics credit
- Superior capacity to quickly understand and apply new concepts developed through work experience in different industries
- Advanced data mining and analysis illustrated by winning 2015 Capital One Data Mining Cup
- Effective time management skills demonstrated by pursuing triple majors at University of Waterloo
- Great communication skills proved by delivering results to senior management
- Highly proficient in data analysis by using MS Excel, VBA, SAS, R, SQL and Python

## PROFESSIONAL EXPERIENCE

- May 2017 - Present    **Actuarial Assistant - Research and Development**, *Travelers*, Toronto, ON, Canada.
- Created GLM pricing model for a US small commercial product using SAS and R
  - Customized the primary pricing model of commercial auto for a captive company by using Excel and VBA, and delivered the results to other teams and the management
  - Developed a rate guidance for an agent company who offers Small Business Liability Insurance
- Sept 2016 - Dec 2016    **Actuarial Student - Group Retirement Solutions Pricing**, *Manulife*, Kitchener, ON, Canada.
- Developed new member retirement planning model to replicate and validate legacy model, including model testing, and liaised with Technical and Product teams to issue recommendations for model enhancements, assumptions updates and quantifying impact analysis
  - Provided guidance to Fund Refresh project team by drafting pricing instructions to be used to facilitate global transfer of assets between investment funds for GRS clients
  - Performed testing of new master GRS Pricing financial model
- Jan 2016 - Apr 2016    **Actuarial Student - Segregated Fund GFA**, *Manulife*, Toronto, ON, Canada.
- Analyzed quarter-end reports and automated the process using Excel Macros to improve the efficiency
  - Set up checking files for different business unit submissions to verify the correctness of data, and developed templates to simplify the update process
  - Calculated the required capital and projection for various projects such as DCAT, IFEV and SFG weekly update, and made the step-by-step documentation for future references
- Apr 2015 - Aug 2015    **Database Analyst**, *Ethoca*, Toronto, ON, Canada.
- Built reporting models using SQL and Excel to answer questions about data from clients and other departments of the company, and documented the procedure
  - Developed proficient skills in bash scripting through executing and maintaining existing queries
- Sep 2014 - Dec 2014    **Software Developer**, *Younility Inc.*, Ottawa, ON, Canada.
- Designed and implemented statistical visualization pages for customers' usage of the application, using Ruby on Rails, HTML, JavaScript and CSS
  - Coded a web page to calculate users' travel distance for a selected period of time based on the information provided by Google Maps

## EDUCATION

- Sep 2013 - Apr 2018  
(Expected)    **Candidate for Bachelor of Mathematics**, *University of Waterloo*, Waterloo, ON, Canada.
- Triple majors in Actuarial Science, Statistics and Computational Mathematics
  - Grade: 87/100

## AWARDS

- Jul 2017    **Third Place, Quantify Actuarial Case Competition**, Waterloo, ON, Canada.
- Dec 2016    **University of Waterloo Representing Team, ASNA Case Competition**, Toronto, Canada.
- Feb 2015    **First Place, Capital One Data Mining Cup**, Waterloo, ON, Canada.