

SUMMARY OF QUALIFICATIONS

- Demonstrated exceptional 2+ years of research experience across projects in financial modeling, statistical analysis, and insight extraction, showcasing expertise in developing and executing innovative data-driven methodologies.
- Strong quantitative background with a Master of Mathematics in Computational Mathematics (90%) from the University of Waterloo and dual BScs in Financial Mathematics (85%) and Actuarial Science (95%) from the University of Prince Edward Island.
- Proficient in R (4+ years) and Python (2+ years) for data analysis, modeling, and visualization.
- Experienced with MS Office Suite, SQL (PostgreSQL, ETL) and Java for backend development and data processing.

PROFESSIONAL EXPERIENCE

Viewbid Auctions – Dartmouth, Nova Scotia <i>Quality Assurance Data Analyst</i>	October 2025 – Present
<ul style="list-style-type: none">• Designed and executed over 200 structured QA test cases across core modules including Authentication, Auctions, Bidding Engine, Invoice Management, Reporting, and Admin Controls.• Conducted data validation and backend synchronization checks between admin, poster, and bidder apps using real-time data logs and monitored system performance during edge cases (e.g., concurrent bids, data sync delays, auction edits post-publication).• Collaborated closely with development and product teams to reproduce, document, and verify bug fixes, improving release stability.	
Canadian Centre for Climate Change and Adaptation – Charlottetown, PEI <i>Data Scientist</i>	Summer 2021, 2022, 2024
<ul style="list-style-type: none">• Spearheaded a research project with the climate policy team to quantify international cooperation among G7 nations using the United Nations Sustainable Development Goals (SDG) data.• Constructed ML algorithms such as LASSO, Ridge regression, and PCA for data analysis and feature extraction.• Presented findings at the <i>25th IME Conference 2022</i> and published this research in the prestigious <i>Nature Communications</i> journal¹.	

Veterans Affairs Canada – Charlottetown, PEI <i>Research Assistant</i>	May 2020 – September 2020
<ul style="list-style-type: none">• Led a longitudinal study forecasting insurance reimbursements for veterans' medications using ARIMA, AR, MA and regression time series models in R (Tidyverse, lubridate), to produce a 5-year forecast with a 95% confidence interval, revealing critical insights for policymaking and ratemaking.• Presented findings to the research team through an interactive RShiny dashboard, facilitating informed decision-making.	

EDUCATION

Master of Mathematics (MMATH) in Computational Mathematics , 4.0 GPA <i>University of Waterloo, Ontario, Canada</i>	September 2022 – October 2023
Bachelor of Science in Actuarial Sciences , 4.0 GPA	September 2020 – May 2022
Bachelor of Science in Financial Mathematics , 3.5 GPA <i>University of Prince Edward Island, PEI, Canada</i>	September 2014 – May 2019

AWARDS & CERTIFICATES

- **Certificates:** Google Data Analytics Professional Certificate, DataCamp (Data Analyst in SQL, Data Analyst in Python)
- **Awards:** *Fong Computational Math Graduate Award* (\$7,500), Best Teacher Assistant Award, *Natural Sciences and Engineering Research Council of Canada (NSERC) Grant* (\$10,000), *Harry MacLauchlan Memorial Award in Mathematics* (\$1280)

¹ [Quantitative Assessment of The Group of Seven's Collaboration in Sustainable Development Goals](#)