

## EDUCATION

**University of Waterloo** September 2020  
Bachelor of Mathematics (BMath) - GPA: 85.4/100  
Major: Statistics | Minor: Computer Science

**Wilfrid Laurier University** September 2020  
Bachelor of Business Administration (BBA) - GPA: 10.8/12  
Specialization: Finance

## PROFESSIONAL EXPERIENCE

**Financial Systems Analyst – Loblaw Companies Ltd** Brampton, ON  
December 2016 – April 2017

- Forecasted inflation using predictive modelling in **R** to drive decision making for prices of consumer staples
- Redesigned an **SQL** query on the general ledger database to verify the validity of values in the companies' official financial statement, lowering discrepancy between the previous query and official values from 200% to ~1%
- Streamlined the creation and distribution of multiple internal financial reports for upper management using **VBA** to improve efficiency, reducing runtime in such tasks by over 400%

**Data Scientist - Laurier Student Poll** Waterloo, ON  
September 2018 – April 2019

- Ran statistical analyses in **R** on student poll data to generate interesting headlines for the university's top newspaper discussing the students' opinion on marijuana, Valentine's day, and other current events

**Software Developer - The Co-operators** Kitchener, ON  
September 2019 – December 2019

- Developed and tested an **Angular**, **JavaScript** web-app allowing analysts to cross-reference insurance claims efficiently to improve fraudulent claim detection
- Established build-scripts using Ant, Maven, **Bash**, and Groovy to package, compile, and deploy code in **Jenkins** which pioneered responsible configuration management and continuous integration for developers at head office

**Project Management Coordinator - Sun Life Financial** Waterloo, ON  
January 2019 – April 2019

- Spearheaded the development and managed a tool that allowed 20 project managers to resource the most qualified employees for their projects using **VBA** to query an Access back-end
- Delivered a dashboard in **Excel** using VBA to visualize satisfaction scores for recently implemented projects to foster continuous improvement for developers

## PROJECTS

**Madden Ultimate Team (NFL Video Game) - Machine Learning/Statistical Analysis & Web Scraping**

- Devised a regression model to determine what players are objectively under/overvalued to help with team-building decision making and market arbitrage using **scikit-learn** and **Matplotlib**
- Created a JavaScript web scraper in **Python** using **BeautifulSoup**, Requests, and **Selenium** for MUTHead.com

**KWHousing - Statistical Analysis**

- Conducted a regression model and tested hypotheses on house prices in **R** for the Kitchener-Waterloo region to determine which amenities significantly effect sale price to guide purchasing decisions for prospective buyers

## SKILLS & INTERESTS

**Technical Skills:** R, SQL, Python, VBA, Excel, JavaScript, Angular, Ant, Maven

**Interests:** Football, Poker, Financial Markets, Soccer, Community Service for At-Risk Youth