

EDUCATION

- **University of Toronto**
Honors Bachelor of Science in Statistics, Mathematics and Computer Science
- Mississauga, CA
Sep. 2021 – June. 2026

SKILLS

Programming Languages: Python, R, Java, Julia, MatLab, HTML, CSS
Technical Skills: Machine Learning, Predictive Modeling, Numerical Computation, Data Structure, A/B Testing
Developer Tools: Visual Studio Code, Git, GitHub, RStudio, Cursor, PyCharm, DaVinci Resolve
Libraries & Framework: NumPy, Pandas, Matplotlib, Scikit-Learn, Seaborn, Riskfolio-Lib, StreamLit

EXPERIENCE

- **UTM Student Union**
Software Developer & Poll Clerk Manager
- Nov. 2024 – Mar. 2025
Mississauga, ON
- Engineered an automated ballot generation system using **Python**, **ReportLab**, and **PyPDF2**, reducing production time from **5–6 days** to under **10 seconds**—boosting efficiency by **1000%** and eliminating weeks of manual effort.
 - Led a team of directors by delivering **hands-on training**, coordinating **real-time logistics**, and optimizing **ballot distribution**.
 - Collaborated with the C.R.O. to enforce **strict confidentiality** of voting data, analyze potential **measurement biases**, and ensure **fair, transparent elections**.
- **Teacher On Wheels**
Mathematics & Programming Tutor
- May 2023 – Dec. 2024
Vancouver, BC
- Delivered over **200 hours** of personalized one-on-one tutoring, leveraging the **Bloom’s Taxonomy** framework to enhance comprehension in **AP Computer Principles**, **Pre-Calculus 11**, and **Pre-Calculus 12**.
 - Guided students through complex assignments by identifying **skill gaps**, adapting teaching methods, and providing **targeted, actionable feedback** to improve performance.
 - Maintained detailed session reports for the director and fostered consistent **communication with parents** to support student progress and goal-setting.
- **Sky Fitness Yoga**
Software Developer — Intern
- May 2023 – Aug. 2023
Hanoi, VN
- Developed an **Python automation system** using **Pandas** to handle payroll calculations, and data visualization—reducing processing time from **1 week to under 1 minute**, saving over **70 million VND annually**.
 - Built end-to-end **ETL pipelines** for timekeeping data from Excel, increasing **report accuracy by 40%** and generating automated dashboards for sales and attendance.
 - Worked with **finance managers** to validate formulas, enforce policy alignment, and ensure **compliance with accounting standards**.

PROJECTS

- **IMDB Movie Revenue Prediction:** applied **Multiple Linear Regression** model based on **genre**, **IMDb rating**, **release year**, **metascore**, and **budget**. Applied **Box–Cox transformations**, addressed **multicollinearity**, used **Cook’s Distance** for outlier diagnostics, and conducted **hypothesis testing** to validate model assumptions.
- **Gender Stratified Effects of Cannabis Consumption Methods on IQ:** analyzed data from The Island virtual population using **Two-Way Repeated Measures ANOVA**. Incorporated **control**, **blocking**, **replication**, and **randomization** to ensure experimental validity.
- **Factors Influencing Student Extracurricular Participation:** investigated predictors of student activity participation using **Two-Sample Proportion Tests**, **Chi-Square Test of Independence**, and **Logistic Regression**. Led **survey design**, **data cleaning**, and **visualization** efforts.