

ANDREW GIRGIS

Mississauga, ON

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EXPERIENCE

National Research Council Canada

April 2024 - December 2024

Junior Analyst

Oakville, ON

- Developed AI chatbot for the IRAP website, streamlining client inquiries by assessing company readiness before contacting the call center, reducing non-qualified calls.
- Designed and presented an in-depth PowerBI dashboard from a company-wide survey to leadership and the vice president, providing critical insights into survey data.
- Consolidated and cleaned data from the CRM to create an overview of the client journey, using data processing to extract key metrics and visualize trends.

University of Waterloo

September 2023 - Present

Teaching Assistant

Waterloo, ON

- Presented lessons in statistics for economists utilizing statistical analysis programming in R to 80 students.
- Prepared tutorial content prior to each class; providing detailed notes and code of course content for students.
- Automated grading processes by testing correlation in R on over 300 assignment submissions in machine learning courses, increasing productivity by 75%.

TechPlace

June 2023 - October 2023

Business Development Intern

Burlington, ON

- Led implementation of CRM system; optimizing TechPlace operations through reducing booking times by 30%.
- Created in-depth user and admin manuals for CRM; allowing new users to more easily understand the application.
- Automated email flow for onboarding new members using ppower automate; streamlining a manual process.
- Formed connections at events to increase exposure of TechPlace and co-partners; creating partnerships for employee and member discounts.

Tip Top Tailors

April 2022 - June 2023

Team Lead

Mississauga, ON

- Supervised operations at multiple locations across the GTA; overseeing teams of 6 to 10 individuals.
- Developed innovative Excel spreadsheet for end of day data collection; reducing closing time by 20%.
- Expanded communication and sales skills in an interpersonal setting; building relationships with customers.

EDUCATION

University of Waterloo

April 2025 (Expected)

MA Economics

GPA: 82%

Computational Data Analytics Graduate Diploma

University of Waterloo Scholarship (Fall 2023, Winter 2024, Winter 2025)

Brock University

April 2023

BA Economics (Honours)

GPA: 84%

Minor in Applied Computing

Dean's Honour list (Year 3 fall 2021, Year 4 fall 2022, Year 4 fall 2023)

TECHNICAL STRENGTHS

Programming Languages

Python, R, Javascript, SQL, Stata, HTML, Visual Basic, LaTeX

Software

VS code, Rstudio, Excel, PowerBI, Word, PowerPoint, Forms, Power Apps

Libraries

Pandas, numPy, matplotlib, seaborn, sklearn, nltk, tensorflow

Skills

Data Analysis & Visualization, Regression Analysis, Machine learning, NLP, Association rules