

MATTHEW MO

437-982-6562 | matthew.mo@uwaterloo.ca | [linkedin.com/in/matthew-mo520](https://www.linkedin.com/in/matthew-mo520) | <https://www.matthew-mo.com>

EDUCATION

University of Waterloo

Bachelor of Mathematics, Data Science (Co-op)
Cumulative Average: **85%**

Waterloo, ON
Sept. 2024 – May 2028

PROJECTS

LinkedIt (GeeseHacks - Best Beginner Hack) | React(JS), Tailwind(CSS), HTML, Python, Selenium

- Developed a web application that automates LinkedIn job searches using Selenium, extracting profiles based on specified roles and companies.

AgeWell – Alzheimer's Safety & Independence Platform | React, Express, Python, YOLOv8, MediaPipe, Twilio, MongoDB, Leaflet

- Built an integrated caregiver-patient web application to improve safety and independence for individuals with Alzheimer's disease, developed in TerraHacks, a 36 hour hackathon.
- Implemented live location tracking and indoor/outdoor navigation using Leaflet maps, with real-time health event feeds for caregivers.
- Developed computer vision safety modules including YOLOv8 + MediaPipe fall detection and OCR-based pill/food/water consumption recognition.
- Integrated Twilio based emergency SMS alerts and MongoDB logging utilities for reliable, real-time communication and data storage.

Task Manager App | SQL, Python-Flask, HTML/CSS

- Created a Python web app that allows users to create a task to-do list where tasks can be added, removed, and modified.

Quizzing App | Java

- Created a quizzing app where a text file of a certain format is taken in and turned into a quiz.
- Application allows users to take the quiz and provides feedback on correctness.

Monte Carlo Stock Simulation | Excel, VBA

- Developed an Excel-based simulation program to project probable returns for individual stocks or the entire market, compiling thousands of simulated scenarios into one data model.
- Generated data-driven insights by simulating potential market outcomes over specified time periods, supporting informed investment decision-making and risk analysis.

SKILLS

Languages: Python, R, Java, Javascript, C, C++, HTML/CSS, SQL, Excel VBA

Libraries and Frameworks: Python: NumPy, YFinance, Pandas, Matplotlib, Seaborn, Flask, Django, Scipy, Pytorch

Soft Skills: Teamwork, Organization, Critical thinking, Responsibility, Eager to learn, Quick Learner

EXPERIENCE

Accounting Associate

May 2025 – Aug 2025

Stratos Solutions Inc. - Collaborating with Anderson Global

Toronto, ON

- Worked alongside senior staff on accounting and tax consulting projects, analyzed client accounting data and prepared in-depth tax research reports.
- Conducted tax and invoice overpayment recovery analysis using data-driven models, prepared detailed financial reports and cost analysis for major corporations such as Boeing and PW&C that contributed to recovering over \$1M in tax credits while ensuring compliance with contractual requirements.
- Leveraged Microsoft Office Suite, including advanced Excel functions and VBA, to streamline financial analysis and reporting, reducing tasks that typically took 3 hours to just 10 minutes for client deliverables.

Computer Science Tutor

Sept. 2022 – June 2024

Students Supports Students

Toronto, ON

- Taught basic and foundational computer science concepts to a class of 8-14 children (ages 10-12) in a weekly session, fostering early tech skills and problem-solving abilities through engaging, age-appropriate activities.