MATTHEW MO

437-982-6562 | mzmo@uwaterloo.ca | linkedin.com/in/matthew-mo520 | https://www.matthew-mo.com

EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Mathematics, Data Science (Co-op)   *Sept. 2024 – May 2028*
Cumulative Average: **85%**

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.

Stock Dashboard | *Python, Streamlit, Plotly, yfinance, Pandas*
- Built an interactive dashboard to visualize stock prices, moving averages, cumulative returns, drawdowns, and key performance metrics with color-coded daily changes and CSV export.

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, Plotly, Streamlit
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.