

Matthew Mo

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EDUCATION

University of Waterloo

Bachelor of Mathematics, Financial Analysis and Risk Management

Waterloo, ON

Sept. 2024 – May 2029

EXPERIENCE

Computer Science Tutor

Students Supports Students

Sept. 2022 – June 2024

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.

Lifeguard and Swim Instructor

City of Toronto

Dec. 2022 – Present

Toronto, ON

- Guided swimmers of all ages and skill levels toward achieving their goals, from building foundational skills to refining advanced techniques.
- Provided a safe and welcoming environment, maintaining vigilance in and around the water to ensure participant safety.
- Addressed patron concerns professionally, enhancing customer satisfaction through respectful communication and problem resolution.

PROJECTS

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

Budgeting Tool | *Excel*

- * Created an Excel tool that automatically budgets finances by generating spending, saving and investing categories based on user-inputted funds, helping users efficiently manage their finances.
- * Developed a stock tracking feature to calculate and display both current and total gains for equities, enabling users to monitor investment performance in real time

TECHNICAL SKILLS

Languages: Java, Python, HTML/CSS, Excel VBA

Microsoft Office: Excel, Powerpoint