

# RAYMOND MA

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## Education

### McMaster University - Bachelors of Software Engineering

Sept 2021 - April 2025

- **Courses:** Object-Oriented-Programming, Computer Architecture, Data Structures, Discrete Mathematics
- **GPA:** (3.96/4.00), Dean's Honours List

## Skills

**Languages:** Java, Javascript, Python, HTML, CSS, Lua, C++, SQL

**Technologies:** ReactJS, Figma, MySQL, Matlab, Git, Tensorflow, Flask, Google Vision

## Experience

### Faculty of Engineering - McMaster University

Sept 2021 - Aug 2022

#### Communications Assistant & Web Developer

Hamilton, ON

- Set the strategic vision for the website-engineering team and streamlined the project management of McMaster Engineering's new landing website (**HTML & CSS**).
- Programmed **40+ website pages** and focused on QA systems to ensure a smooth international launch.
- Advocated for and Implemented a new marketing platform for the communications departments, and increased impressions to 120,000, as well as led in-person events at our university campus.

### Roblox Corporation

Jan 2022 - Present

#### UGC Creator & Game Developer

San Mateo, CA

- Pioneering digital fashion and products in the metaverse space. Concepting, 3D modeling, and texturing hundreds of unique virtual accessories in the Roblox marketplace for 45.5 million daily active players to customize their avatars with, individually generating over 100,000 sales.

## Software Projects

#### ML Image Classification App:

Built **Tensorflow ML** Model & Modern **React Front-End**.

#### Uber Trips Data Analysis:

Analyzed New York's Uber Trips and Geography using **Python**.

#### Blank-It Quiz App:

**Python & Flask** Web Framework utilizing **Google Vision API** to create a personalized quiz from students' notes in PDF format.

#### Inviand Master:

Built deep **Python neural networks** to predict Enzyme Commission numbers from chemical reactions in SMILES (Chemical Text).

#### Personal Website:

Built interactive website with **React, HTML, CSS and Javascript**.

## Leadership Experience

### Microsoft

Jul 2022 - Present

#### Microsoft Learn Student Ambassador

Toronto, ON

- Executing student-targeted technical workshops and building social community projects with Microsoft.

### DeltaHacks Hackathon

May 2022 - Present

#### Vice President Logistics

Hamilton, ON

- Set strategic timelines for executives and implemented logistical systems for the hackathon.
- Organized and launched one of Canada's largest Hackathons procuring over 1000+ participants.

### Robotics @ Taiwan Elementary Schools (FIRST Robotics)

Jul 2019 - August 2019

#### Taiwan Robotics Initiative, Robotics Instructor & Co-Founders

Zhongli, Taiwan

- Developed an engaging, hands-on robotics-focused STEM curriculum for elementary school students.
- Secured \$2,500 in funding for robotics kits to be able to direct workshops to 160+ students, utilizing LEGO EV3 robots, VEX robots, and 3D printers.