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.

AWS Cloud Practitioner Certification (Ongoing)   June 2022 - Present

Skills

Languages:	Java, Javascript, Python, HTML, CSS, Lua, SQL, C, Bash, C++
Technologies:	ReactJS, MySQL, Matlab, Git, Tensorflow, Flask, Node.js, Heroku, AWS, REST API, Fast API

Experience

Roblox   Jan 2022 - Present

UGC Marketplace & Game Developer   San Mateo, CA

- Developed and collaborated with over 50+ Lua game developers increasing total user playtime to over **850k hours**.
- 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 and individually with over **200,000 clients**.

Faculty of Engineering - McMaster University   Sept 2021 - Aug 2022

Web Developer & Communications Assistant   Hamilton, ON

- Set the strategic vision for the web-developer team and streamlined the project management of McMaster Engineering's new landing website increasing **automation and production by 30% (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 department, **increasing impressions to 120,000,** and leading in-person events on campus.

Personal Software Projects (https://github.com/Ma-Raymond)

Personal Website:	Built an interactive website with **React, HTML, CSS, and Javascript.**
ML Image Classification App:	Built Image Identifying **Tensorflow ML Model** & Modern **React Front-End.**
Uber Trips Data Analysis:	Analyzed New York's Uber Trips and Geography using **Python & Numpy**.
Amazon Data Scraper API:	Built an API using **Heroku, Express, and Node.js** to collect data from Amazon Products for eCommerce purposes.
Enzyme Commission Number:	Built deep **Python neural networks** to predict Enzyme Commission numbers from chemical reactions in SMILES (Chemical Text).

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

Co-Founder   Zhongli, Taiwan

- Executed an engaging, hands-on robotics-focused STEM curriculum for elementary school students.
- Secured $2,500 in funding for robotics kits leading workshops to 160+ students, utilizing EV3 robots, and VEX robots.