

YU MAO

905-616-3985 | y22mao@uwaterloo.ca | [Linkedin](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

University of Waterloo

Sep. 2023 – Apr. 2028

Bachelor of Mathematics in Computer Science

- Coursework: MATH145 - Algebra (Advanced Level), CS145 - Designing Functional Programs (Advanced Level)

EXPERIENCE

Meat Clerk | *Part-time*

Apr. 2023 – Aug. 2023

Longo Brothers Fruit Markets inc

Oakville, ON

- Developed communication and problem-solving skills through interaction with customers
- Boosted adaptability and teamwork skills through diverse collaboration and schedule coordination
- Enhanced responsibility skills by ensuring that both products and equipment always adhered to the required standards

VOLUNTEER EXPERIENCE

Royal Canadian Air Cadets

Sep. 2019 – May 2020

540 Golden Hawks

Oakville, ON

- Engaged in a Remembrance Day fundraising initiative, our group of three cadets successfully gathered over \$1000 in cash donations

Tennis Summer Camp

July 2019 – Sep. 2019

Ontario Racquet Club

Oakville, ON

- Assisted the instructors with drills, helped the plan section about drills for beginners

Tennis Coach

Jul. 2020 – present

Oakville Chinese Resident Association & self-employed

Oakville, ON

- Offered complimentary tennis instruction to novice players from diverse backgrounds within the local community.

PROJECTS

Object Detection with Voice | *Python, OpenCV, YOLOv5, YOLOv8, pyttsx3*

Jan. 2022, Dec. 2023

- Connected YOLOv5's pre-trained models that are trained with COCO dataset with CV2 library
- Implemented pyttsx3 library for offline usage at any location
- Updated the model from YOLOv5 to YOLOv8, along with presenting the confidence level

Personal Portfolio Website | *HTML, CSS, Javascript*

Dec. 2023

- Implemented responsive features
- Developed the UI to be user-friendly to both mobile and desktop

ACHIEVEMENTS

2022 American Mathematics Contest 12 A | *Certificate of Distinction, Qualification for the 2022, 2023 AIME* Dec. 2021, Dec. 2022

2022 CEMC Euclid Mathematics Contest | *Certificate of Distinction*

May. 2022

2022 Bay Area Science and Engineering Fair | *Inspiration Student Award, Silver Merit Award*

Mar. 2022

2022 Canadian Senior Mathematics Contests | *Certificate of Distinction*

Jan. 2023

Coursera | *Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning*

Dec. 2022

TECHNICAL SKILLS

Languages: Python, C, Java, Javascript, HTML, CSS (Sass/SCSS)