

Timothy Mao

Computer Scientist in Training

613-447-5080
tmao042@uottawa.ca
timothy.zy.mao@gmail.com

Ottawa, ON
<https://www.linkedin.com/in/the-offliner>
<https://github.com/perditi>

Technical Skills

Languages	::	Java, C#, Go, JavaScript, HTML, CSS, Prolog, Python
Databases	::	PostgreSQL
Other	::	Windows, Microsoft Office, Google Workspace, GitHub

Projects

Object Recognition Algorithms (Java)

Developed and implemented optimized advanced algorithms for object detection and dominant plane identification, utilizing cutting-edge techniques such as **DBSCAN** and **RANSAC**.

Various Hackathons (Java)

Participated in **Hack the Hill 2023** and **MLH All-In Hackathon**.

Education

University of Ottawa / Honours BSc in Computer Science (CO-OP)

SEPT 2021 - PRESENT (EXPECTED 2025)

CGPA 9.8/10 (to date)

Relevant Courses: Introduction to Computing I & II, Data Structures and Algorithms, Computer Architecture I, Linear Algebra I, Discrete Mathematics for Computing, Discrete Structures, Calculus I & II, Databases I

MITx / Introduction to Computer Science and Programming Using Python

JUNE 2018 - SEPT 2018

Work Experience

Computer Science Student Association @ uOttawa / Vice President Logistics

OCT 2022 - PRESENT

Duties involve maintaining a meticulous and accurate record of all 500+ merchandise items in stock via Excel sheet, ensuring that inventory levels were accurately reflected at all times. Additional duties include monitoring incoming and outgoing items and enforcing effective measures to prevent loss or damage to assets.

Hack the Hill / Community Coordinator

MAY 2023 - PRESENT

Duties involve organizing The Hacker Series (a monthly community engagement event), collaborating with MLH Pizza Fund, creating and communicating a detailed schedule for all events, managing logistics and participant applications. Also hosting social events, managing equipment and resources, encouraging attendance, and interfacing with hackers for feedback. Additionally, setting up and engaging with members on a Discord server.

Awards

Dean's Honour List (Fall 2021, Winter 2022, Fall 2022), **Presidential Award for Academic Excellence, AP Scholar Award**
