

Michael (Wen Tao) Mo

Email: michaelmoshui@gmail.com Phone: 6044016992 LinkedIn: <https://www.linkedin.com/in/wen-tao-mo/> GitHub: <https://github.com/michaelmoshui>

EDUCATION

The University of Toronto, Toronto, ON, Canada

Expected graduation date: June 2026

BASc, Engineering Science

- Relevant Coursework: *Introduction to Computer Programming (A+), Computer Algorithms and Data Structures*
- GPA (out of 4): 3.88 (**Dean's List**)

SKILLS

- **Computer:** JavaScript, Java, Python, C, full-stack development, NodeJS, Express, React, MongoDB, CSS, HTML, MATLAB, PostgreSQL, VBA Script
- **Additional:** self-motivated, communication, problem-solving, organization, time management

PROJECTS

Moshuibook (Facebook Clone) – MongoDB, Express, React, NodeJS, CSS, HTML, GCP (*ongoing*)

- Created dynamic user interface for login page and home page using React.
- Implemented user information storage with MongoDB Atlas.
- Built NodeJS RESTful APIs to complete registration, login, email authentication, and password reset functionalities.
- Used cookies and Redux state container to keep track of user data after login.

Simply Supported Beam Design (Team Project) – MATLAB

- Optimized geometry of a matboard beam that is subjected to moving train load.
- Hand-constructed a 1.26-meter beam that supported 700 Newtons of train load (top 25% of all beam designs).

Leafing (Team Project) – Python Flask, MySQL, CSS, HTML

- A website created during NewHacks 2022 that allows users to enter and search for restaurants that have dietary restrictions.
- Created restaurant filter based on location, ratings, dietary restriction, and restaurant name using Flask RESTful APIs.
- Implemented MySQL database to store, access, and update restaurant information.

Online Election Poll – NodeJS, Express, MongoDB, Mongoose, EJS, CSS, HTML

- Implemented “voting”, “view poll”, and “start new election” with NodeJS RESTful APIs.
- Store, retrieve, and update data from MongoDB Atlas with Mongoose.

WORK EXPERIENCE

S.U.C.C.E.S.S. Summer Worker

June 2021 – September 2021

- Organized outdoor activities for kids 0 – 6 and their parents.
- Received positive feedback from clients and supervisors on program planning.
- Created efficient client information search algorithm in the database with Excel VBA Script that decreased search time from 30 minutes to 5 minutes.

LEADERSHIP EXPERIENCE

Pinetree Yearbook Editor

September 2020 – June 2022

- Oversaw a \$30,000 yearbook production process and sold approximately 600 yearbooks schoolwide.
- Delivered graphic design and DSLR camera photography lessons to yearbook members.
- Reviewed and edited yearbook spread and photo submissions from 24 yearbook members.

AWARDS AND HONOURS

- **Alfred YF Wong Memorial Scholarship** **June 2022**
A \$1250 scholarship awarded to a high-achieving Pinetree graduate pursuing an engineering degree.
- **Pinetree Gold Stole** **June 2022**
Awarded to a student whose grade 12 average that is in the top 5% of the Pinetree graduating class.
- **Senior Canadian Computing Competition Certificate of Distinction** **February 2022**
Awarded to a participant who achieved a score that is ranked top 25% in the competition.