Michael
Mo

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EDUCATION:

BASc, Engineering Science
The University of Toronto, Toronto, ON, Canada *Expected graduation date: June 2026*

- Relevant Coursework: *Introduction to Computer Programming, Computer Algorithms and Data Structures*

WORK EXPERIENCE:

Ignite Badminton Club Coach *April 2022 – August 2022*

- Delivered badminton lessons to beginner and intermediate learners in groups of 12.

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.

PROJECTS:

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

- Implemented dynamic UI for login page and home page header using React.
- Implemented user information storage with MongoDB Atlas.
- Created login and registration page with frontend input validation using Formik and Yup.
- Implemented RESTful backend server using NodeJS to complete registration, login, email authentication, and password reset functionalities.
- Implemented 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).

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.

SKILLS:

- JavaScript
- React
- NodeJS
- MongoDB
- Java
- Python
- CSS
- MATLAB
- Communication