

Albert Tran

<https://github.com/alberttran1>

a233tran@uwaterloo.ca

(416)-567-9887

PROGRAMMING SKILLS

Languages: C++, Python, Javascript, C, C#, HTML, CSS, Java

Technologies: React, Node.js, MongoDB, Express.js, Git, Unity

EDUCATION

University of Waterloo

Bachelor of Software Engineering, BSE (4.0 GPA)

Waterloo, ON

Expected 2025

PROJECTS

Folio 🌐

Node.js, Express.js, Mongoose

- Designed and developed an online portfolio builder for co-op students.
- Created a fully functioning registration system connected to MongoDB through Mongoose.
- 50+ registered users.

Memoirs 🌐

MongoDB, React, Node.js, Express.js

- Developed and launched a social media web application where users can like/edit/post memoirs.
- User interface developed with experienced use of React implementing Material-UI.
- Backend created with Node.js/Express.js, database made with MongoDB. Full integration of the MERN stack.

Dungeon Souls

C#, Unity

- RPG inspired dungeon crawler designed in Unity 2D using C#.
- Levels created using procedurally generated dungeons and Sprite animation.

Dino Jump 3D

C++, Java

- Endless runner made in Processing using Java.
- Efficiently implemented Arduino communication and motion detection to control player movement.

EXPERIENCE

Company President/ Volunteering Lead

8th Don Mills Venture Company

Toronto, ON

2017 - 2020

- Organized and headed 3 year relief project in accordance with World Accord accumulating in the building of a new school for an impoverished community in Honduras.
- Orchestrated and coordinated fundraisers/community events/weekly meetings to raise over \$13K.
- Supervised, managed and delegated tasks to team of volunteers.

Primary Builder

York Mills CI Robotics Team

Toronto, ON

2018 - 2020

- Built and coded logic for robot maneuverability in C++.
- Reached the provincial level in Vex Robotics.

AWARDS

Academic Proficiency in Computer Science – 100% AVG York Mills CI computer science.

Canadian Computing Competition(CCC) Certificate of Distinction – University of Waterloo

Queen's Venturer Award - Scouts Canada