# Raymond **Zhang**

SOFTWARE ENGINEERING · UNIVERSITY OF WATERLOO

*69 Ten Oaks Blvd, Concord, Ontario, Canada*

📱 (416) 317-2218  |  ✉ zhangraymond05@gmail.com  |  🏠 raymondzhang.me  |  🐙 SlowestLoris  |  💼 rayzhang05

## Skills

| | |
|---|---|
| **Languages** | C++, C, Java, Python, JavaScript, HTML, CSS |
| **Tools** | Azure, Github, Git, Trello, Postman, MongoDB Compass, Office |
| **Frameworks** | React, Node.js, Express, MongoDB, SQLite, MySQL, Django, REST API |

## Relevant Experience

**Waterloo Experience (WE) Accelerate Program**                              *Waterloo, Canada*

MICROSOFT - AZURE & ARTIFICIAL INTELLIGENCE FUNDAMENTALS                              *May. 2021 - Aug. 2021*

- Contributed to every step of the product development process from ideation to development.
- Engineered a solution aimed at helping employers become more inclusive through an AI job posting editor and chatbot digital consultant.
- Conceptualized project specifics targeting unnecessary job requirements and providing more inclusive vocabulary suggestions.
- Communicated and coordinated with project team members to successfully complete project as well as produce an initial prototype.

**Thornhill Secondary School**                              *Thornhill, Canada*

WEBSITE DEVELOPER AND PRESIDENT OF COMPUTER SCIENCE CLUB                              *Sep. 2018 - May. 2020*

- Worked with a team of students to develop the website tssoj.ca, powered by DMOJ.
- Maintained an educational platform used by hundreds of students and teachers.
- Created programming problems used for lessons and as practice for competitions.
- Arranged school-wide events including hackathons, programming competitions and promotions.
- Tutored students on Object-Oriented principles in Java and C++ and for programming competitions.

## Projects

**Alpha-beaver** ⬀                              *MongoDB, Express.js, React, Node.js*

A LEARNING MANAGEMENT SYSTEM BUILT WITH THE MERN STACK.                              *Jun. 2021 - Sep. 2021*

- Created Rest API endpoints for announcement and event creation.
- Conceptualized and developed front-end library to ease backend integration.
- Collaborated with product team members to build and test new features.

**Twotter** ⬀                              *Python, Django*

DESIGNED TO BE A FUNCTIONAL CLONE OF TWITTER, COMPLETE WITH USER PROFILES, TWOOTS AND PRIVATE CHAT.                              *May. 2021 - Sep. 2021*

- Designed and implemented RESTful API for SQLite database queries.
- Utilized websockets to notify clients of new messages and prevent polling.
- Provisioned an easy to manage production environment using Heroku with Redis and PostgreSQL.

**ElectionForm** ⬀                              *JavaScript, Google Apps Script*

A SCRIPT WHICH AUTOMATES FORM CREATION AND RESULT COLLECTION.                              *Oct. 2019 - Dec. 2019*

- Automated the high school election process for major leadership positions.
- Designed a script to automatically create a questionnaire with Google Forms, store votes in Google Sheets, and calculate the results of the election using JavaScript and Google Apps Script.
- Performed integration testing to resolve issues leading to a successful election.
- Built to simplify the election process and eliminate human error.

**Bump!**                              *JavaScript, SQLite, Node.js*

A PROMOTIONAL APPLICATION FOR THE DISCORD PLATFORM.                              *Jun. 2018 - Sep. 2019*

- Designed a promotional application to help grow servers built on the Discord platform.
- Grew application to be utilized by over 100k users.
- Stored user and server data with SQLite and JSON.

## Education

**University of Waterloo**                              *Waterloo, Ontario*

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING                              *Sep. 2020 - Apr. 2025 (Projected)*

- GPA: 4.0.
- Term Dean's Honour List.