

# Zhengyu Wang

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## EDUCATION

### University of Toronto

Computer Science Specialist and Applied Statistics Major

Toronto, ON, Canada

Sep. 2023 – Present

- Dean's List: 2023
- CGPA: 3.95/4.0

## EXPERIENCE

### Develop Online Tech Support Service

Oct. 2024 – Present

*Let's Get Together*

Toronto, ON, Canada

- Developing and enhancing an online tech support platform with cross-functional teams by integrating advanced features and ensuring scalability.
- Implementing responsive and intuitive user interfaces, ensuring seamless navigation and a superior client experience.
- Integrating Large Language Models to enrich platform functionality and enable intelligent, AI-powered support mechanisms.

### Director of Technology

May 2024 – Present

*Chinese Academic and Professional Society (CAPS)*

Mississauga, ON, Canada

- Led the development of the official website for CAPS, a university student organization, using **Vue.js** for the frontend and **Flask** for the backend.
- Developed an AI Chatbot using **Retrieval-Augmented Generation (RAG)** architecture, designed to assist university students in accessing school information more efficiently while reducing the workload of consulting staff and allowing the organization to reallocate resources more effectively.
- Engaged with society stakeholders and students to ensure the platform met organizational and user needs, while collaborating with an agile team to implement key features, optimize database performance, ensure data integrity, and address user demands.

## PROJECTS

### Campus Forum | Java, Swing, H2, JUnit5, Maven

May 2024 – Aug. 2024

- Developed a forum platform for chatting, sharing resources, and posting content.
- Worked with a team of three, building the backend using pure Java and H2 database for efficient user data management, while creating an intuitive UI with Swing for a seamless user experience.
- Implemented over 850 unit tests, and achieving over 90% test coverage across all use cases, ensuring performance and reliability in production.

### UofT Timetable Builder | Java, Spring Boot, JavaScript, HTML, CSS, MySQL

Dec. 2023 – Mar. 2024

- Developed a user-friendly web-based course scheduling tool for the University of Toronto, helping students streamline their timetable creation process.
- Built the project using Spring Boot for the backend to deliver a RESTful API, with MySQL for database, and implemented an interactive frontend using HTML, CSS, and JavaScript.
- Achieved over 1000 monthly user visits, demonstrating strong demand and usability of the application.

## AWARDS

### Canadian Computing Competition

Feb. 2023

- Achieved a competitive rank of 264, placing within the top 25% of participants in a national-level programming competition organized by the University of Waterloo.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, PHP, R

**Frameworks:** React, Vue, Spring Boot, Flask, Electron, PyQt, Qt, JUnit5

**Database:** MySQL, MongoDB, PostgreSQL, SQLite, H2

**Other Tools:** Git, Maven, Nginx, VS Code, IntelliJ

**OS:** Windows, Ubuntu, CentOS