

# Zhengyu Wang

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## EDUCATION

### University of Toronto

Toronto, ON, Canada

*Computer Science Specialist and Applied Statistics Major*

*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 Digital Development

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.
- Collaborated with a small, agile team to implement key features, achieve user demand, optimize database performance, and ensuring data integrity.

## 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