

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

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 3000 monthly user visits, demonstrating strong demand and usability of the application.

Cloud System | PHP, HTML, CSS, JavaScript, MySQL

June 2022 – July 2022

- Designed and developed a full-stack cloud storage platform supporting secure file storage, user authentication, and temporary file transfers, using PHP for the backend and MySQL for data management.
- Built a dynamic file management system, enabling users to upload, download, rename, and delete files seamlessly from the cloud.
- Optimized the platform for performance and scalability by leveraging MySQL indexing and efficient PHP scripts, ensuring smooth handling of multiple users and large file uploads.

EXPERIENCE

Director of Digital Development

June 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 Spring Boot for the backend.
- Collaborated with a small, agile team to implement key features, optimize database performance, and ensuring data integrity and user security.
- Engaged with society stakeholders and students to ensure the platform met organizational and user needs.

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: Vue, Spring Boot, Electron, PyQt, Qt, JUnit5

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

OS: Windows, Ubuntu, CentOS