# Zhengyu Wang

🌐 wzy403.com
○ github.com/wzy403
☎ +1-431-335-6778
✉ zhengyv.wang@mail.utoronto.ca
in linkedin.com/in/wzy403

## 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

## 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.

**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