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: 3.92/4.0

EXPERIENCE

JavaScript Curriculum Development   Feb. 2025 – Apr. 2025
Big Blue Marble Academy   *King City, ON, Canada*
- Designed and implemented an advanced JavaScript curriculum tailored for high school and early college students.
- Developed **8 structured two-hour lessons**, each with clear learning objectives, core **JavaScript** concepts, demonstration code, and practical hands-on exercises.
- Created and managed a **12-hour capstone project** focused on applying advanced JavaScript skills through practical, real-world scenarios.

Develop Online Tech Support Service   Oct. 2024 – Feb. 2025
Let's Get Together   *Toronto, ON, Canada*
- Built a streamlined online tech support system using **HTML** and **JavaScript** to replace the previous email-based communication, reducing technical issue response time from 3-4 days to immediate or same-day resolution.
- Integrated **Large Language Models** and **Retrieval-Augmented Generation** technologies to efficiently handle frequently asked questions and automatically deliver solutions where applicable.
- Conducted a test event with **30+ participants**, receiving positive feedback from 85% of attendees, demonstrating significant improvements in user experience and service efficiency.
- Expected to benefit **over 100 users** by significantly accelerating the resolution of technical issues upon deployment.

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 **1000+ 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