

# 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, 2024
- CGPA: 3.90/4.0
- Relevant Courses: Software Design, Software Tools & Systems Programming, Operating System, Databases, Information Security, Computer Organization, Data Structure and Analysis, Machine Learning

## TECHNICAL SKILLS

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

**Frameworks:** React, Vue, Spring Boot, Express, Flask, Electron, JUnit5

**Database:** PostgreSQL, SQLite, MySQL

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

**OS:** Windows, macOS, Ubuntu

## EXPERIENCE

### JavaScript Curriculum Development

Big Blue Marble Academy

Feb. 2025 – Apr. 2025

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

Let's Get Together

Oct. 2024 – Feb. 2025

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.
- Expected to benefit **over 100 users** by significantly accelerating the resolution of technical issues upon deployment.

## PROJECTS

### BiliSmartSkip | JavaScript, HTML, CSS

Aug. 2025 – Spe. 2025

- Developed a lightweight detection application that identifies embedded ad segments in BiliBili videos by analyzing user-submitted danmaku comments.
- Reached **100+ active users** on the Chrome Web Store and received **20+ GitHub stars**.
- Implemented a responsive UI with a dual-mode skip system (Auto/Manual), ensuring seamless user experience with zero background process overhead.

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

May 2024 – Aug. 2024

- Developed a forum platform for chatting, sharing resources, and posting content.
- Built backend with Java and H2 for user data management, and created a Swing UI for 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.
- At its peak, attracted **1000+ visits** per month.