

Yiming Zhai

Waterloo, ON — +1(506) 886-1585 — yimingdi8@gmail.com — yiming-zhai.com
linkedin.com/in/yiming-zhai — github.com/AaronZ1825

Skills

- **Languages:** C, C++, Go, JavaScript, HTML, CSS, ARMv8(Introductory assembly exposure), Racket
 - **Technologies & Tools:** Git, Linux, PostgreSQL, GORM, REST APIs, Bash, Latex, MS Office
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Education

University of Waterloo, 2nd Year in Bachelor of Computer Science Sept 2024 – Present

- GPA: 76.60 / 100 (Waterloo CS)
 - Relevant Coursework: Object-Oriented Software Development, Logic and Computation
 - **Scholarships:** President's Scholarship (\$2,000), René Descartes National Scholarship (\$20,000)
 - **Awards:** COMC NB **Gold Award**; Euclid Competition NB Province Second Place
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Experience

IT Analyst (Co-op) Apr 2025 – Aug 2025

Hongsheng North America, Cambridge, ON

- Delivered technical support for software, hardware, and network issues across multiple departments
- Installed and configured operating systems and enterprise applications on employee workstations
- Assisted with system administration tasks, internal network maintenance, and access management
- Contributed to **ERP system** process improvements through technical documentation and cybersecurity support

Robotics and Computer Science Club Member Sept 2021 – June 2024

- Designed and programmed competition robots using **Python and Arduino** in a team setting
- Implemented control logic and sensor integration; supported testing and debugging

Math Tutor Sept 2023 – June 2024

- Provided one-on-one tutoring in algebra, calculus, and trigonometry for high school students
 - Explained complex concepts through structured problem decomposition and targeted practice
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Projects

Personal Website — HTML, CSS, JavaScript WEBSITE 

- Designed and implemented a responsive personal website to present technical projects and experience
- Built **bilingual (English / Chinese)** content switching with client-side JavaScript rendering
- Organized content using a **data-driven** structure to simplify maintenance and future expansion
- Emphasized clean UI design, performance optimization, and long-term code maintainability

WaterlooStar Forum Backend — Go, PostgreSQL, REST APIs

- Developed backend services for a campus forum using Go with RESTful API design
- Implemented **authentication**, post creation, pagination, filtering, and email verification workflows
- Designed relational data models and **PostgreSQL** queries emphasizing correctness and reliability

RAIInet — C++20, X11 GITHUB 

- Built a turn-based strategy board game using modern **C++20** with **modular** architecture
- Implemented text-based and **X11 graphical interfaces** with custom event handling and rendering
- Applied principles of memory safety, abstraction, and **RAII-based resource management**

Google Sheets – ClickUp Sync — Google Apps Script, REST APIs GITHUB 

- Developed a **two-way synchronization tool** between Google Sheets and ClickUp using Google Apps Script
- Integrated **REST APIs** with automated triggers, custom field mapping, and conflict detection