

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, 2 nd 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	

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	

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	