

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, Python, JavaScript, TypeScript, SQL, C/AL, HTML, CSS, Racket
 - **Technologies & Tools:** Microsoft Dynamics NAV 2017, PostgreSQL, GORM, Node.js, REST APIs, SOAP, XML, Git, Linux, Bash, Dify, PyTorch, Jupyter, Ollama
-

Education

University of Waterloo, 3rd Year Computer Science Sept 2024 – Present

- **Relevant Coursework:** User Interfaces, Compilers, Computer Architecture, Neural Networks
 - **Scholarships:** President's Scholarship, René Descartes National Scholarship
 - **Awards:** COMC NB **Gold Award**; Euclid Competition NB Province Second Place
-

Experience

Junior ERP Developer (Co-op) May 2026 – Aug 2026

Sailun Tires Americas Inc., Woodbridge, ON

- Developed and maintained custom functionality in **Microsoft Dynamics NAV 2017** using **C/AL**, implementing Codeunits, reports, and ERP business logic
- Integrated NAV with external systems through **SOAP web services and XML**, building and debugging **SmartEquip Supplier API** request-response workflows
- Developed and optimized an Assembly Item **BOM weight report**, improving data processing, report usability, and query performance
- Built **AI-assisted supply-chain workflows** using Dify and SQL-based tools to interpret natural-language requests and retrieve structured enterprise data

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 while supporting internal network and access administration
 - Contributed to **ERP system** process improvements through technical documentation, troubleshooting, and cybersecurity support
-

Projects

AI Supply Chain Query Workflow — Dify, SQL, APIs, Python

- Designed an **AI-assisted workflow** that converts natural-language supply-chain questions into structured data queries
- Implemented intent classification and parameter extraction for factory, order, and product requests
- Integrated SQL agents to retrieve enterprise data and generate structured responses for business users

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 with an emphasis on correctness and reliability

RAIInet — C++20, X11

[GITHUB](#) 

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