

Haozhe Li

☎ +1 (437) 661-7680 | ✉ lihaozhe013@gmail.com | 📁 Portfolio | 🌐 lihaozhe013 | 🌐 lihaozhe013

EDUCATION

University of Toronto

B.A.Sc in Computer Engineering + PEY Co-op

Toronto, ON, Canada

Sep. 2023 – Apr. 2028 (Expected)

Relevant Coursework: Algorithms & Data Structures, Computer Hardware, Operating Systems, Introduction to Databases, Computer Organization, Software Design & Communication, Applied Fundamentals of Deep Learning

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, SQL, Python, C, C++, RISC-V Assembly

Developer Tools: Git, Bash, Powershell, VS Code, Cursor, Vim, Chrome DevTools, Makefile

Frameworks: Node.js, React, Django, Vite, Tailwind CSS, GTK, Electron Framework

Infrastructure & Databases: PostgreSQL, SQLite, Nginx, GitHub Actions, Docker, AWS

Other Tools: Figma, Microsoft Office, L^AT_EX, Google Workspace

EXPERIENCE

Full Stack Engineer (Contract)

Hangzhou MYF Technology Co., Ltd.

Sep. 2025 – Present

Remote

- Led requirements discovery and authored a comprehensive PRD; designed **Figma** wireframes and delivered a Node.js + SQLite MVP upon client sign-off.
- Developed a full-stack enterprise modules for tradeflow management using **TypeScript**, **Node.js**, and **PostgreSQL**.
- Used **GitHub Actions** to containerize and publish the application to **Docker Hub** via a **CI/CD** pipeline.
- Established an **Argo CD** pipeline for a **Docker**-based architecture (Backend, **Nginx**, **PostgreSQL**) on **AWS** Lightsail, featuring automated backups and seamless delivery.

Frontend Developer (Intern)

Hangzhou EagleCloud Security Technology Inc.

May. 2025 – Aug. 2025

Hangzhou, Zhejiang, China

- Developed new front-end features for an **Electron**-based enterprise cybersecurity desktop application and implemented UI functions for an admin web console. Utilized **TypeScript**, **React**, **Ant Design**, within a 7-person front-end team.
- Utilized **Cursor** (AI IDE), optimized coding workflows by applying advanced prompt engineering methodologies.
- Worked within standardized development workflows, including **Gitflow branching** (resolving merges and conflicts across QA and pre-production), **GitHub Pull Requests** with assigned reviewers and feedback resolution, and **CI/CD integration** testing on Alibaba Cloud (Yunxiao) for build consistency.

PROJECTS

TradeFlow System (Open Source) | TypeScript, Node.js, PostgreSQL, React

Jul. 2025 – Present

- Architected a full-stack trade management solution, featuring inventory and financial tracking plus sales analysis.
- Engineered a high-performance backend using **Typescript**, **Node.js** and **PostgreSQL**.
- Developed a responsive frontend with **React** and **Ant Design**, adopting a component-driven architecture to accelerate feature delivery and maintain code reusability.

GIS Route Optimization Application – Course Project | C++, GTK, Git, A*, Dijkstra

Jan. 2025 – Apr. 2025

- Developed a Geographic Information System (GIS) desktop application in **C++** with **GTK** on Mate Desktop as a course project in a 3-person team, implemented map rendering, geographical name search, shortest path and multi-stop path finding features.
- Leveraged **multithreading** to preprocess 4GB of raw coordinate data, converting it into structured point, line, and polygon formats for canvas rendering in under 50 seconds on a 16-core test machine.
- Implemented pathfinding algorithms including **A*** for shortest path computation, and **Dijkstra**, **multi-start greedy**, and **simulated annealing** for multi-stop route optimization, achieving 90% of the technical evaluation score.
- Integrated real-time traffic visualization by using **TomTom API** data and **libcurl** HTTP module.