

Roger Zhang

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EDUCATION

- National University of Singapore** Aug 2025 – Nov 2028
[Expected]
Bachelor of Computing, Computer Science
- GPA: 5.00/5.00, Dean's List AY25/26 Semester 1
 - NUS Merit Scholarship recipient
- Raffles Institution** Jan 2017 – Dec 2022
GCE A Levels, 7 Distinctions
- Raffles Academy: Mathematics, Physics, Chemistry
 - Olympiads: SPHo Silver, SYPT Gold, SPHL Gold, SMO Silver

EXPERIENCE

- MiChat** [🔗](#) Singapore
May 2026 – Present
Software Engineer Intern
- Designed, built, and deployed a translation management system to automate microcopy expansion and maintenance.
 - Developed across the stack, including UI/UX, business logic implementation, API and database integration.
- Hypotenuse AI** [🔗](#) Singapore
Jan 2025 – Jun 2025
Growth and Operations
- Spearheaded inbound and outbound sales, CRM, lead qualification and high-profile outreach.
 - Managed recruitment for multiple roles, screening thousands of candidates and scheduling weekly interviews.
 - Boosted productivity of data workflows through automation with Python scripts and Pandas.
- Singapore Physics League** [🔗](#) Singapore
Sep 2022 – Jun 2025
Deputy Chief Organiser, Problem Setter
- Led an 18-member team to host the 4th Singapore Physics League with over 3000 participants from 109 schools.
 - Set and reviewed problems for 3 editions of SPHL which were warmly received by participants.

VOLUNTEERING & PROJECTS

- Director, OrcaCode** [🔗](#) May 2026 – Present
- Planned weekly programming talks and LeetCode whiteboarding sessions.
 - Helped students build strong technical interview skills and fostered a growing community of programming enthusiasts.
- Software Engineer, Source Academy** [🔗](#) Jan 2026 – Apr 2026
- Enhanced arrow routing in the Control, Stash, Environment (CSE) Machine visualisation for CS1101S students.
 - Won 1st prize for the CP3108 track at the 28th SoC Term Project Showcase (STEPS).
- TikTok TechJam** [\[GitHub 🔗\]](#) Aug 2025
- Developed an AI compliance dashboard that helps global apps navigate complex region-specific regulations.
 - Implemented a RAG pipeline, converting laws into vector embeddings for semantic search and LLM inference via Ollama.
- National AI Student Challenge, 1st Prize** [\[GitHub 🔗\]](#) Feb 2025 – May 2025
- Developed an AI assistant which routes citizen-reported municipal issues to the appropriate agency for swift resolution.
 - Built Node.js RESTful APIs with PostgreSQL queries and the frontend with Vite and DaisyUI.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML, SQL
Frameworks & Libraries: SvelteKit, React, Tailwind CSS, Express, FastAPI
Databases: SQLite, PostgreSQL
Others: Git, Vim, NumPy, Pandas, LaTeX