Caleb Cha

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https://github.com/junoocha | https://caleb-cha-portfolio.vercel.app/ | https://www.linkedin.com/in/caleb-cha-826681299/

EDUCATION

Western University, London, ON, Canada - B.Sc. Computer Science (Expected Oct 2025)   2021 - 2025
- Cumulative GPA: 3.8
- Awards/Scholarships: Western Scholarship of Distinction (2021), Canada Post Scholarship (2021).
- Other Academic Accolades: Dean's Honor List (2021 - 2024).

Coursework: Algorithms, Databases, Web Development, Operating Systems, Agile Software Development.

WORK EXPERIENCE

UBILD   Jul - Dec 2024

Full Stack Intern - React, Next.js, Supabase, TypeScript
- Engineered and launched a fully functional admin panel integrated with Supabase from scratch.
- Developed and optimized API endpoints to retrieve new data types and expand data access across the platform.
- Refactored user data rendering and optimized profile upload/display for better UX.
- Integrated Playwright tests into the CI pipeline to verify login stability across GitHub merges.

Enki   Aug 2023 - Jul 2024

Course Developer - Lua, Java, Python, Git
- Developed and published an entire course on Roblox Scripting and Lua.
- Revamped outdated curricula on Python and Java for improved clarity and engagement.
- Collaborated closely with senior developers via Git to streamline course content.

PROJECTS

WormScans   Jul - Oct 2025

Manga/Manhwa Reader Platform | Next.js, React, Supabase, TypeScript, Python, Playwright

https://www.wormscans.ca/
- Automated chapter scraping using Python + Playwright to streamline uploads and reduce manual work.
- Implemented responsive UI with filtering, search, and chapter navigation for an optimized reading experience.
- Integrated Supabase authentication with admin key protection and authorization tokens for secure data access.

Symmetrical Fractal Tree Generator   Jul 2025

Fractal Tree Visualizer | React, Next.js, TypeScript

https://fractal-tree-gen.vercel.app/
- Developed an interactive fractal tree generator with real-time controls, animation, and mobile support.
- Implemented a recursive binary tree rendering algorithm with frame-based animation using React hooks.
- Designed smooth drag and zoom gestures for responsive interaction on both desktop and mobile.

DnD Stat Setter   Jun 2025

Tool for setting Dungeons & Dragons stats | React, Next.js, Supabase, TypeScript

https://the-better-dnd-setter.vercel.app/
- Transformed simple processes (e.g., stat assignment) into a visually appealing and modern interface.
- Utilized REST APIs and Supabase backend for data management.
- Implemented Next.js API routing and deployed the app using Vercel.

TECHNICAL SKILLS

Languages: Python, Java, Lua, HTML, CSS, JavaScript, TypeScript, MySQL, C, C++, PHP.
Frameworks: React, Node, Next.js.
Tools: Git, Supabase, Playwright, Vercel