

Caleb Cha

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GitHub: github.com/junoocha | Portfolio: caleb-cha-portfolio.vercel.app

EDUCATION

Western University, London, ON, Canada - B.Sc. Computer Science

2021 - 2025

- Cumulative GPA: 3.8.
- Awards/Scholarships: Dean's Honor List (2021 - 2025), Western Scholarship of Distinction.

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

WORK EXPERIENCE

UBILD

Jul - Dec 2024

Full Stack Intern - React, Next.js, Supabase, TypeScript

Toronto, Ontario

- Developed a Supabase-integrated admin panel, improving user data retrieval efficiency by 30%.
- Refactored data rendering and fetching, cutting profile load time by 15%.
- Built and optimized API endpoints to expand platform data types and capabilities.
- Integrated automated Playwright tests into the CI pipeline to verify login stability across GitHub merges.

Enki

Aug 2023 - Jul 2024

Course Developer - Lua, Java, Python, Git

Remote

- Produced and published a full Roblox Scripting course, reaching 1,000+ users.
- Revamped outdated Python and Java curricula, reducing student confusion and support requests.
- Streamlined version control workflows via Git, accelerating course content updates.

PROJECTS

WormScans

<https://www.wormscans.ca/>

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

- Automated a Python scraping pipeline, reducing manual upload time by 70% across hundreds of chapters.
- Designed responsive UI with search filters and keyboard navigation for seamless reading experience.
- Secured admin features with Supabase auth and token gating.

Symmetrical Fractal Tree Generator

<https://fractal-tree-gen.vercel.app/>

Fractal Tree Visualizer | React, Next.js, TypeScript

- Built interactive fractal generator with live controls and animation.
- Implemented a recursive binary tree rendering algorithm with frame-based animation using React hooks.
- Added smooth drag and zoom gestures, supporting both mobile and desktop interaction.

Dungeons and Dragons Statistic Setter

<https://the-better-dnd-setter.vercel.app/>

Tool for setting DnD stats | React, Next.js, Supabase, TypeScript

- Designed clean, modern UI to simplify complex stat-setting workflows, reducing setup errors for users.
- Implemented persistent data storage via REST APIs and Supabase.
- Deployed using Vercel with serverless Next.js API routes.

TECHNICAL SKILLS

Languages: TypeScript, Python, HTML, CSS, JavaScript, MySQL, Java, Lua.

Frameworks: React, Node.js, Next.js.

Tools: Git, Supabase, Playwright, Vercel.