

CARY ZHU

Web Developer | React, TypeScript & Node.js

Toronto, ON | Open to Relocation to Montreal | 416-827-1665 | contact@caryzhu.com | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, SQL, PHP, HTML5, CSS3

Frontend: React, Next.js, React Hooks, reusable UI components, Sass, Tailwind CSS, responsive design, accessibility

Backend & APIs: Node.js, Express.js, RESTful APIs, Next.js server endpoints

Databases: PostgreSQL, MySQL, Supabase

Security & Testing: Vitest, Supertest, session-based authentication, authentication middleware, server-side validation

Tools & Deployment: Git, GitHub, Vite, Vercel, Render

RELEVANT EXPERIENCE

Web Development Intern | [My Place in This World](#)

Jun 2025 – Aug 2025

- Developed, debugged, and supported responsive JavaScript and WordPress interface features for a live online learning platform serving 500+ users, including activity navigation, progress states, and authenticated content access.
- Collaborated with project stakeholders to translate course requirements into standardized, reusable layouts, improving interface consistency and making new lesson pages faster to launch.
- Implemented and tested server-side search with PHP and SQL across 50+ lessons, verifying functionality before release and enabling users to find content by keyword.

PROJECTS

Polly Glot — React, Next.js, TypeScript, Tailwind CSS v4, Anthropic Claude API [Live Demo](#) | [GitHub](#)

- Built a full-stack AI translation application with Next.js, React, and TypeScript, using reusable components and state-driven interfaces for language selection, translation, and multi-turn conversations.
- Integrated the Anthropic Claude API through Next.js server endpoints, protecting application credentials from client-side exposure while providing each user with 10 app-funded requests.
- Implemented a bring-your-own-key fallback and persisted conversation history and language preferences in localStorage, maintaining continuity across browser sessions.

Spiral Sounds — JavaScript, Node.js, Express.js, GSAP 3, Supabase PostgreSQL, Stripe [Live Demo](#) | [GitHub](#)

- Built responsive customer-facing product browsing, authentication, cart, and checkout interfaces using JavaScript, HTML, CSS, and GSAP, translating a custom visual direction into consistent interaction patterns across the site.
- Migrated the application from SQLite to Supabase PostgreSQL through a query adapter, preserving existing controller logic and resolving database compatibility issues during deployment.
- Built and tested an Express.js REST API with 13 endpoints: integrated Stripe Payment Intents with server-side amount validation, session-protected checkout routes, and post-payment cart clearing using Vitest and Supertest.

Print Forge — React, Next.js, TypeScript, Tailwind CSS v4 [Live Demo](#) | [GitHub](#)

- Built a 3D model-sharing website using Next.js App Router, TypeScript, dynamic routing, and server-side data fetching to support scalable model detail pages.
- Developed reusable UI components including ModelCard, ModelsGrid, and CategoriesNav to keep the interface consistent and maintainable.
- Added search, category filtering, and ARIA accessibility practices to improve browsing and screen-reader usability.

EDUCATION

Ontario Graduate Certificate, Web Development | Humber College, Toronto

Sep 2024 – Aug 2025

Ontario Graduate Certificate, Digital Media | George Brown College, Toronto

Sep 2023 – Aug 2024

Bachelor of International Business | Macau University of Science and Technology

Sep 2012 – Jun 2016