

Eric Zuo

403-988-6656 | ericmzuo1@gmail.com | linkedin.com/in/ericzuo8 | github.com/Flaryiest | ericzuo.ca

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, SQL (Postgres), Golang, Java, Python, HTML/CSS

Frameworks: React, Next.js, Node.js, Gin, Flask, Tailwind, Prisma ORM

Developer Tools: Git, Figma, AWS Lambda

EXPERIENCE

Software Engineer Intern

Apr 2025 – Aug 2025

Heartline

- Built and integrated 20+ cross-platform React Native screens with audio/video playback and API connectivity, used by 200+ paid users across an AI wellness app
- Developed real-time avatar streaming using Microsoft Azure Speech Synthesis, achieving under 0.5s latency and driving a 20% increase in user engagement
- Developed chatbot functionality with WebSockets and REST APIs in Go, enabling fast and accurate responses while storing chat logs as conversational context

Web Developer

Jan 2025 - Mar 2025

Elvaria

- Developed a dynamic website using React, TypeScript, and Node.js, integrating a PostgreSQL database to create a fully functional and aesthetically clean platform for a music organization
- Designed the website's layout and interactions from scratch in Figma, incorporating UI/UX principles such as visual hierarchy, accessibility, and contrast

Technical Director - Co-Founder

Oct 2023 – Present

Futurlign

- Led AI workshops for over 100 students, delivering practical knowledge and hands-on experience with coding
- Collaborated with a team of 20 individuals to design and create a comprehensive AI curriculum
- Secured over \$3,000 in funding to support workshops, curriculum development, and outreach initiatives focused on AI education

PROJECTS

Mythea | *TypeScript, React, Zustand, Python, Flask, Redis*

Aug 2025

- Built Mythea, an AI-powered learning platform for students, similar to Cursor but focused on managing assignments and studying
- Engineered a Flask backend that extracted and vectorized text from user files, cached results in Redis for faster retrieval, and enabled AI agents to call internal functions, streamlining contextual search
- Designed a React frontend with seamless state management using Zustand, secure authentication via OAuth, and rich text editing powered by QuillJS, enhancing user experience and collaboration

LifePod – MiniMedi Hacks 2024 1st Place | *TypeScript, React, Node.js, PostgreSQL*

Dec 2024

- Developed the "LifePod" platform, a medical-oriented web application, using TypeScript, React, and Node.js, and integrated WebSockets to enable real-time communication and data sharing for medical professionals
- Designed and implemented a system allowing users to generate secure chatrooms and interactive dashboards that control LED indicators on a physical device
- Integrated PostgreSQL for a scalable backend solution, allowing efficient storage and retrieval of medical data

ChangePod – Hack the Change 2024 1st Place | *JavaScript, React, Python, Flask*

Nov 2024

- Engineered and Integrated a multi-faceted hardware and software product, streamlining democratic processes by aggregating suggestions and votes into actionable feedback using AI
- Collaborated in resolving critical backend and hardware issues, including debugging CORS issues and integrating ESP32 and Arduino to ensure smooth communication between the hardware and backend
- Won 1st place and \$5000 in prize money in a highly competitive university level hackathon

EDUCATION

Sir Winston Churchill High School

Sep 2023 – Jun 2026