

Eric Zuo

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TECHNICAL SKILLS

Languages: JavaScript/TypeScript, SQL (Postgres), Python, Golang, Java, HTML/CSS
Frameworks: React, Next.js, Node.js, Gin, Flask, Tailwind, Prisma ORM, ComfyUI
Developer Tools: Git, Figma, AWS Lambda, Microsoft Azure

EXPERIENCE

Software Engineer Intern Aug 2025 – Present

Magic Hour (YC W24)

- Built the full AI GIF-generation pipeline using Seedream 4.0 with NumPy seam detection, frame stitching, and interpolation, used by 100+ daily creators
- Integrated a custom Qwen-2509 inference workflow into the in-app image editor, reducing latency and API costs
- Improved inference speed by 15% and visual fidelity by 5–10% for a talking photo system by AB testing and optimizing diffusion samplers and generation parameters, improving user experience and processing efficiency

Software Engineer Intern Apr 2025 – Aug 2025

Heartline

- Engineered 10+ React Native screens with fully typed API integration and audio/video playback, delivering a consistent and engaging mobile UX for an AI-powered wellness assistant
- Built real-time avatar streaming using Azure Speech Synthesis with under 0.5s latency, increasing user engagement by 20%
- Architected and implemented a high-performance chatbot backend in Go using WebSockets and REST, supporting responsive, stateful conversations with persistent context

Web Developer Jan 2025 - Mar 2025

Elvaria

- Built a full-stack platform using React, Node.js, PostgreSQL, supporting workflows for 20+ volunteers
- Designed the full UI/UX experience in Figma, emphasizing accessibility, clarity, and structured visual hierarchy

Technical Director - Co-Founder Oct 2023 – Present

Futurlign

- Led AI workshops for over 300 students, delivering practical knowledge and hands-on experience with coding
- Secured over \$5,000 in funding to support workshops, curriculum development, and outreach initiatives focused on AI education

PROJECTS

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