

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 <i>Magic Hour (YC W24)</i>	Aug 2025 – Present
<ul style="list-style-type: none">Built the full AI GIF-generation pipeline using Seedream 4.0 with NumPy seam detection, frame stitching, and interpolation, used by 100+ daily creatorsIntegrated a custom Qwen-2509 inference workflow into the in-app image editor, reducing latency and API costsImproved 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 <i>Heartline</i>	Apr 2025 – Aug 2025
<ul style="list-style-type: none">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 assistantBuilt 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 <i>Elvaria</i>	Jan 2025 - Mar 2025
<ul style="list-style-type: none">Built a full-stack platform using React, Node.js, PostgreSQL, supporting workflows for 20+ volunteersDesigned the full UI/UX experience in Figma, emphasizing accessibility, clarity, and structured visual hierarchy	
Technical Director - Co-Founder <i>Futurlign</i>	Oct 2023 – Present
<ul style="list-style-type: none">Led AI workshops for over 300 students, delivering practical knowledge and hands-on experience with codingSecured over \$5,000 in funding to support workshops, curriculum development, and outreach initiatives focused on AI education	

PROJECTS

LifePod – MiniMedi Hacks 2024 1st Place <i>TypeScript, React, Node.js, PostgreSQL</i>	Dec 2024
<ul style="list-style-type: none">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 professionalsDesigned and implemented a system allowing users to generate secure chatrooms and interactive dashboards that control LED indicators on a physical deviceIntegrated PostgreSQL for a scalable backend solution, allowing efficient storage and retrieval of medical data	
ChangePod – Hack the Change 2024 1st Place <i>JavaScript, React, Python, Flask</i>	Nov 2024
<ul style="list-style-type: none">Engineered and Integrated a multi-faceted hardware and software product, streamlining democratic processes by aggregating suggestions and votes into actionable feedback using AICollaborated in resolving critical backend and hardware issues, including debugging CORS issues and integrating ESP32 and Arduino to ensure smooth communication between the hardware and backendWon 1st place and \$5000 in prize money in a highly competitive university level hackathon	

EDUCATION

Sir Winston Churchill High School	Sep 2023 – Jun 2026
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