

ERIC LY

6x Hackathon Wins | lyeric.tech | i.lyeric@gmail.com | 657-357-4757 | in/lyeric | [github/lyeric2022](https://github.com/lyeric2022)

EDUCATION

California State University, Fullerton

B.S. in Computer Science, Minor in Economics

Aug 2022 – May 2026

Fullerton, CA

- **ASI Board of Directors:** Advocated for 3,000+ ECS students, securing funding, organizing events, and shaping key campus policy.
- **ACM E-Board:** Advanced 20+ developmental workshops events for 200+ students, and created ACM Node Buds (leadership pipelines).
- **FullyHacks Director:** Supported teams in marketing, finance, design, and web dev, to organize CSUF's hackathon for 400+ students, twice.

EXPERIENCE

Software Engineer Intern

Human Delta (AI Adoption & Fluency Benchmark)

Oct 2025 – Jan 2026

San Francisco, CA

- Building AI integration & fluency benchmarks for startups (Hyperspell, Inspectify) & enterprises (Yesstyle). Updated 10.28.25.

Software Engineer Intern

Zams (Sales Automation for B2B)

Aug 2025 – Oct 2025

San Francisco, CA

- Built dashboard tracking customers queries and agent actions, using TypeScript, Next.js, Node, SQL– enabling analytic visibility & insights.
- Developed unit, integration, and E2E tests for model tool-calling pipelines, enabling LLM monitoring & insights to refine tool integrations.
- Partnered with design teams to ship 5+ full-stack features, deploying builds onto Vercel with 98% uptime and GCP with 99.9% uptime.

Software Engineer Intern

Letta (AI Memory Research Lab)

Jun 2025 – Aug 2025

San Francisco, CA

- Shipped 90+ merged PRs in TypeScript, Next.js, and Python– delivering redesigned Tool Rules, Agent Loops (for agent flow visualizations), and Observability routes, to Letta Cloud & Desktop, alongside UI/UX improvements (message loading, file systems, context windows, etc).
- Built a multimodal (voice · text · video) assistive screen-streaming app with agent orchestration, MCP tools, and tool rule constraints.
- Extended provider endpoint validation and MCP server access across Zapier, Github, Stripe, Hugging Face, Exa, DeepWiki, Pipedream, etc.
- Developed Metta, an AI agent that leverages Letta's SDK to build other AI agents equipped with memory blocks, and core + MCP tools.

AI & Coding Analyst

Mercor Intelligence (Evals team)

Jan 2025 – Apr 2025

San Francisco, CA

- Provided software & LLM knowledge to improve models for a leading AI research lab. Limited description due to NDA.

Production Engineer Fellow

Meta x MLH

Oct 2024 – Dec 2024

Menlo Park, CA

- 12-week fellowship in PE, learning about system reliability, incident response, capacity planning, and infrastructure management.
- Built Flask-Jinja platform; MySQL-backed, Docker-containerized, Nginx-deployed, and unit-tested for deployment assurance and scalability.
- Automated CI/CD pipelines with Docker and GH actions; integrated Prometheus–Grafana for monitoring, alerting, and perf optimization.

Software Engineer Intern

AT&T (AI Speech Services Team)

Jun 2024 – Aug 2024

Dallas, TX

- Researched and integrated speech models (OpenAI, MyShell) to build multilingual ASR, transcription, and translation pipelines; enabled customer support teams to converse with global users beyond their native languages (US English → Spanish, French, Japanese, Chinese).
- Redesigned STT workflows– enabling service control, cost savings (>\$50k), reduced latency, and enhanced versatility of voice services.
- Built RESTful APIs for multilingual speech services via Python, FastAPI, Docker, and Kubernetes; leveraged AKS and GPU acceleration.
- Achieved 1st place out of 19 teams during AT&T TDP Innovation Challenge; presented MVP multilingual speech CTO & executives.

Artificial Intelligence Research Intern | ASSURE-US

May 2023 – Jul 2023

- Researched symbolic regression and built a model with genetic programming in Python/PyTorch to generate closed-form equations for complex 3D surfaces, applying techniques such as selection, crossover, and mutation to improve accuracy across 50 generations.

Student Engineer | Google, Code Next & CSSI

May 2023 – Jul 2023

- Built 25+ websites and games alongside 9 Google engineers. Moderated 650-member community, automating roles, logs securities, etc.

PROJECTS (More on lyeric.tech/)

TradeFlows.us | Trade Analytics + Agentic AI Conversations (600+ monthly visitors)

[View Project](#)

- Agentic AIs (Trump & Fact checker) powered using Letta, Gemini, Cerebras (LLaMA) inference, and o4-nano reasoning, for real-time conversational (tariffs, geopolitics, policy) flows. FE built with React, Three.js, deployed Vercel. BE built with Python, FastAPI, Ngrok-proxied.

SKILLS

Languages: (Proficient) C++, Python, JavaScript/TypeScript, React Native, SQL (Familiar) Java, R, C#

Technologies: Kubernetes, Docker, AWS, Linux, Git, React, Node.js, FastAPI, MySQL, PostgreSQL, Firebase, Supabase, Bash, MuJoCo

AI/ML: PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, PineconeDB, OpenAI Whisper, OpenVoice, Model Context Protocol, Neural Networks

Tools I enjoy: Bun, Letta, Vercel, Next.js, Cursor, Railways, Posthog, Linear, Figma, Drizzle