

ERIC LY

7x Hackathon Wins | lyyeric.tech | j.lyyeric@gmail.com | [in/lyyeric](https://in.lyyeric) | [github/lyyeric2022](https://github.com/lyyeric2022)

EXPERIENCE

Software Engineer

Human Delta (AI Adoption Engine for American Enterprises)

Oct 2025 – Present
San Francisco, CA

- Applied AI for enterprises. 0 → 1.

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 (LLM evals)

Jan 2025 – Apr 2025
San Francisco, CA

- Provided coding knowledge and human data to improve models for leading AI research labs.

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.

PROJECTS (More on lyyeric.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.

HackMIT Wildfire Detection and Evacuation System

[View Project](#)

- Subscribed to MQTT sensor networks and streamed updates via WebSockets to client applications; integrated geolocation and Maps API to track users' locations, visualize temp., humidity, and flame data, and routed users toward safer zones outside threat perimeters.

SKILLS

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

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

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

Favorite tools: Bun, Letta, Vercel, Cursor, Render, Posthog, Linear, Figma, Drizzle, Infisical, Just

EDUCATION

California State University, Fullerton

B.S. in Computer Science, Economics

Aug 2022 – May 2026
Fullerton, CA

ADDITIONAL

- **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.
- **Meta x MLH:** Fellowship in production engineering, learning about system reliability, capacity planning, and infrastructure management.
- **Google Student Engineer:** Built websites alongside 9 Google engineers. Moderated 650-members, automated roles, logs securities, etc.