

ERIC LY

5x Hackathon Wins | lyyeric.tech | i.lyyeric@gmail.com | 657-357-4757 | in/lyyeric | [github/lyyeric2022](https://github.com/lyyeric2022)

EDUCATION

California State University, Fullerton – B.S. in Computer Science, Economics Minor

Aug 2022 – May 2026

- **ECS Board of Director:** Advocated for 2,000+ ECS students, securing funding, organizing events, and shaping policy.
- **ACM E-Board:** Advanced 20+ developmental workshops events for 200+ students, and created leadership pipelines.
- **FullyHacks Director:** Supported teams in marketing, finance, and web dev, to organize CSUF's hackathon for 400+ students.

EXPERIENCE

Mercor Intelligence | AI & Coding Analyst

Jan 2024 – April 2025

- Optimized LLM response quality by correcting issues in content accuracy, tone, clarity– enhancing user satisfaction.
- Delivered **840+ evaluations**, exceeding project targets by 16% and contributing to key insights for LLM refinement.
- Engaged with OpenAI researchers to resolve edge cases, boosting model reliability and performance in **conversational AI**.

AT&T | Software Engineer Intern

June 2024 – Aug 2024

- Facilitated multilingual ASR, transcription, and translation, by researching LLM & speech models from OpenAI and MyShell.
- Redesigned STT workflows, replacing dependencies with custom endpoints, granting full control and operational efficiency.
- Developed REST APIs for **multilingual speech services** using FastAPI, Docker, and Kubernetes, deploying on Azure Cloud.
- Achieved **1st place of 19 intern teams** with live demo of MVP to top tech executives during TDP Innovation Challenge.

Dream for Schools | Mobile App Instructor

Feb 2023 – Dec 2023

- Taught AppJam+ & Scratch with colleagues, to guide **45+ students** in agile and tech processes of software development.
- Equipped students with programming skills and data structures knowledge, by facilitating 20+ weeks of sessions.
- Advised students towards winning presentations to showcase to 80+ parents, school boards, and non-profits orgs.

ASSURE-US | Artificial Intelligence Research Intern

May 2023 – July 2023

- Generated math formulas for complex 3D shapes using a symbolic regression model, developed with genetic programming.
- Applied natural selection, crossovers, and mutations to evolve optimal expressions, using Python, PyTorch, and Matplotlib.
- Derived accurate math formulas for complex 3D shapes (ex: hyperbolic paraboloid)– enhancing accuracy of shape modeling.

Google, Code Next Connect & CSSI | Student Engineer

Sept 2021 – Aug 2022

- Collaborated with 15+ Code Next engineers to develop and present 25+ interactive web pages, games, and music.
- Co-moderated the community, and integrated roles, log securities, and announcements for 650+ student & staff members.
- Directed a team of 2 CSSI students to build [Funtime Trivia and Quizzes](#), an educational web platform tailored for teenagers.

PROJECTS (More on lyyeric.tech/)

Kindred AI | AI-Powered Family Legacy App

[View Project](#)

- Built fullstack app for grandparents to engage in personalized conversations, using Svelte for UI and FastAPI for backend.
- Integrated **Llama 3.1** for response generation, **OpenAI Whisper** for ASR, and **PineconeDB** for story ingestion and RAG.
- Leveraged **Cerebras Cloud** for accelerated inferencing and **F5-TTS** for voice synthesis to boost user interaction.

FireNet | Wildfire Detection and Evacuation System

[View Project](#)

- Built a fullstack to provide users with evacuation routes– using live sensor updates to enhance safety and decision-making.
- Employed MQTT, WebSockets, and HTML geolocation to process data on temperature, humidity, and threat zones.
- Won the “IBM Watson Challenge”, placing **2nd out of 230+ teams** at MIT's 2023 hackathon

SKILLS

Languages: (Proficient) C++, Python, JavaScript, CSS, HTML; (Familiar) Java, R, SQL, C#, Q#

Web Development: Svelte, React, Express, Node.js, FastAPI, Flask, CORS, PostgreSQL, MongoDB, Firebase

Platforms & Tooling: Git, Bash, Linux, Azure Cloud, AWS, Docker, Kubernetes, Postman, Rest APIs

AI/ML: OpenAI Whisper, OpenVoice, CrewAI, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, PineconeDB