

# ERIC LY

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## EDUCATION

### California State University, Fullerton

Aug 2022 – May 2026

Bachelors of Science in Computer Science | Minor in Economics

- **Awards:** 2nd Place HackMIT (2023), STEM Mentorship Senate Award (2023), 1st Place Congressional App Challenge (2022)

## SKILLS

Languages	(Proficient) C++, Python, JavaScript, CSS, HTML (Familiar) Java, R, SQL, C#, Q#
Frontend/Backend	React, Express, Node, FastAPI, Flask, Cors, MongoDB, Firebase
Developer Tools	Git, Github, Linux, PyTorch, SKLearn, NumPy, Pandas, Matplotlib, Docker, Kubernetes, Azure CI/CD

## EXPERIENCE

### (AI/ML) Software Engineer Intern | AT&T Inc.

June 2024 – Aug 2024

- Multimodal, AI translation tools and AutoGen research (multi-agent framework for LLMs)

### Mobile App Instructor | Dream for Schools

Feb 2023 – Dec 2023

- Taught AppJam+ with co-instructors, to guide 45+ students in agile and technical processes of software development
- Facilitated 20+ weeks of interactive sessions, equipping students with programming skills and data structures knowledge
- Advised students towards winning presentations to showcase to 80+ parents, school boards, founders, and non-profits orgs

### Artificial Intelligence Research Intern | ASSURE-US

May 2023 – July 2023

- Researched the use of symbolic regression via genetic programming– yielding optimal expressions for intricate 3D shapes
- Implemented GP algorithms utilizing machine learning libraries, driving the simulation of evolving agents and methodologies
- Illustrated relationships through informative 3D graphs– delivering presentations of findings to 50+ researchers and professors

### Student Engineer | Google, Code Next Connect + CSSI

Sept 2021 – Aug 2022

- Collaborated with 15+ Code Next engineers to build & present 25+ interactive web-pages, games, and music
- Co-moderated the community, and integrated roles, logging 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

Personal/Portfolio Site: [www.lyyeric.tech/](https://www.lyyeric.tech/)

### FireNet | HackMIT Fire-Identification & Evacuation App | [View Project](#)

- Located the user via HTML's geolocation, and displayed sensors' temperature, humidity, flame levels, danger-level near area
- Leveraged Google Maps' API and MQTT messaging, to route user to safer locations away from danger & warning circles

### Penny Power Plays | Cross-Platform, Multiplayer Strategy Game | [View App](#)

- Full-stack web app used by 100+ players, to hedge virtual bets, with user authentication and automated asset management
- Conducted data modeling to optimize bet calculations, enhancing gameplay dynamics and quantitative processes

## LEADERSHIP

### ACM Treasurer & Fullyhacks Finance Lead | Association for Computing Machinery

Aug 2023 – Present

- Liaised with ACM team leads, faculty advisors, and Googlers, to advance tech workshops and grow membership by 500+
- Negotiated for \$7,100+ from various organizations– enabling sufficient funding for refreshments, supplies, and events
- Led the finance team of FullyHacks– handling ACM's bank account, company sponsorships, and logistical accounting

### Business Inter-Club Council Representative | Economics Association at CSUF

Jan 2024 – Present

- Liaised key meeting info, proposed funding events, and co-organized CBE professional events and opportunities
- Collaborated with EA board members, professors, and alumni, to advance opportunities in economic careers and research

## AFFILIATIONS & INTERESTS

- **Affiliations:** Association for Computing Machinery, Economics Association, FullyHacks, Vietnamese Student Association
- **Interests:** AI Economics, Competitive Programming, Multi-Media Museums, Ice-Skating, Video Essays, StarCraft II