

# 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:** 1st Place AT&T Innovation Challenge (2024), 2nd Place HackMIT (2023), 1st Place Congressional App Challenge (2022)

## SKILLS

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

**Web Development:** React, Express, Node, FastAPI, Flask, Cors, MongoDB, Firebase

**Platforms & Tooling:** Git, Linux, Azure, GCP, Docker, Kubernetes, CI/CD, Swagger, Googling

**AI/ML:** OpenAI, Whisper, OpenVoice, CrewAI, PyTorch, SKLearn, NumPy, Pandas, Matplotlib, PyTorch

## EXPERIENCE

### Software Engineer Intern | AT&T Inc. | Dallas, TX

June 2024 – Aug 2024

- Presented MVP to technology executives in the TDP Intern Innovation Challenge– achieving **1st place of 19 competing teams**
- Developed endpoints for multilingual speech services– leveraging open-source AI models from OpenAI and MyShell
- Deployed services on Azure Kubernetes– automating containerization and leveraging GPUs to achieve **>40x TTS faster latency**

### Mobile App Instructor | Dream for Schools | Westminster, CA

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, and non-profits orgs**

### Quantitative Research Intern | CIC-PCUBED | Fullerton, CA

Jun 2023 – Aug 2023

- Worked under Dr. Bein to conduct data-driven research on pairs trading strategies, and presented to 20+ student researchers
- Utilized Yahoo financial datasets and employed statistical models and algorithmic analysis to optimize trading performance

### Artificial Intelligence Research Intern | ASSURE-US | Fullerton, CA

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

## LEADERSHIP

### Fully Hacks Co-Director & Node Buds TL | Association for Computing Machinery

Aug 2023 – Present

- Liaised with ACM team leads and faculty advisors, to advance tech workshops and grow membership by **>700 students**
- Led the finance team of FullyHacks– handling ACM's bank account, company sponsorships, and logistical accounting

### 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**
- Moderated the community–integrated roles, logging securities, and announcements for **>650 student & staff members**

## PROJECTS (More on [lyyeric.tech/](https://lyyeric.tech/) !)

### Consilia | LA Hacks Activities Recommendation App | [View Project](#)

- Analyzes user preferences and locations for personalized recommendations– coordinating outdoor activities among friends

### FireNet | HackMIT IoT Wildfire Detection and Evacuation System | [View Project](#)

- Designed for community safety– integrating sensor data w/ real-time processing and dynamic routing to guide users to safety
- **Award:** 2nd Place for IBM AI Challenge at HackMIT– a national hackathon with **>1000 participants**

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

- Players hedge virtual bets– aiming to be the last contributor standing by avoiding elim. through strategic bet calculations

## AFFILIATIONS & INTERESTS

- **Affiliations:** Association for Computing Machinery, Economics Association, Fully Hacks, Vietnamese Student Association
- **Interests:** AI Economics, Museums, Ice-Skating, Volleyball, Hackathons, Table Tennis, StarCraft, Clash of Clans, Poker