

Jun Jie Lai

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EDUCATION

San Jose State University , San Jose, CA	GPA: 3.30
<i>Bachelor of Science in Software Engineering, Minor in Mathematics</i>	<i>Aug. 2022 – May 2025</i>
De Anza College , Cupertino, CA	GPA: 3.38
<i>Associate's Science in Computer Science and Mathematics, Cum Laude</i>	<i>Jan. 2019 – Mar. 2022</i>

CERTIFICATION

Fundamentals of Cybersecurity , San Jose State University	May 2025
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PROJECTS

Multi-LLM G3.Chat <i>Go, Valkey, LangChainGo</i>	May 2025 – Jun. 2025
<ul style="list-style-type: none">Developed modular framework to support for OpenAI, Gemini, and Anthropic models via LangChainGo.Implemented Bring Your Own Key (BYOK) and resumable streaming for generation continuity after page refresh.Used Valkey to persist active chat sessions and asynchronously migrating data to PostgreSQL on inactivity.	
Real-time Multi-room Chat Application <i>Go, Redis, PostgreSQL</i>	Mar. 2025 – Apr. 2025
<ul style="list-style-type: none">Developed WebSocket server handling 50+ concurrent rooms and 500+ active users with minimal latency.Used Redis to manage user sessions and persist message history.	
YouTube Subscription Manager Backend <i>Go, MySQL, YouTube Data API</i>	Jan. 2025 – Feb. 2025
<ul style="list-style-type: none">Integrated YouTube Data API to fetch users' subscription and channel info while minimizing quota usage by 30%.Implemented Google OAuth 2.0 to get data from user's Youtube Subscription List.Developed feature enabling users to create, delete, and rename folders, and organize subscribed channels by adding or removing them.Developed MySQL database that stores YouTube channels and channel details from user's subscription list.	
Live-Streaming Web Application <i>Next.js, Prisma ORM, LiveKit API, Clerk API</i>	Jul. 2024 – Dec. 2024
<ul style="list-style-type: none">Implemented streaming functionalities using LiveKit API, enabling users to stream with WHIP/RTMP protocols.Integrated Clerk API with 3rd party OAuth provider for secure user authentication and authorization.Utilized Prisma ORM with MySQL to design and manage database schemas.Collaborated in team of 4 as part of the senior project course.	
Magic Mirror <i>React, National Weather Service API, Random Quotes API</i>	Feb. 2024 – May 2024
<ul style="list-style-type: none">Developed interface displaying date, time, weather, daily news and quote on Raspberry Pi 4 Smart Mirror.Created a weather forecast functionality displaying and updating forecast based on user geolocation per hour.Collaborated with 2 members as part of the SASE Club Spring 2024 Kickstarter Program.	

TECHNICAL SKILLS

Languages: Go, Python, SQL (MySQL, PostgreSQL), Java, TypeScript, JavaScript, HTML5
Frameworks: React, Next.js, Tailwind CSS
Developer Tools: GitHub, Docker, GoLand, PyCharm, IntelliJ, Figma
Libraries: OAuth 2.0, Redis, Prisma ORM