Hao Ly

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Education

California State University, Fullerton   **Aug. 2022 – Dec. 2024**
Bachelor of Science in Computer Science   *Fullerton, CA*

Relevant Coursework: Data Structures, Software Engineering, Web Development, Database Management, Algorithm Engineering, Open Source Software

Technical Skills

Languages: JavaScript, Python, HTML, CSS, Java, C, C++, TypeScript, SQL
Technologies/Frameworks: React, Next.js, Node.js, Express, Flask, TailwindCSS, Bootstrap
Developer Tools: Git/GitHub, Linux, Firebase, MongoDB, MySQL, Postman, VS Code, Android Studio, RESTful APIs

Experience

YAAANA   **May 2024 – August 2024**
Application Developer Intern   *San Diego, CA*

- Developed and deployed cross-platform applications using Flutter and Firebase, achieving a 99% user satisfaction rate by conducting comprehensive testing with Android Simulators.
- Improved team productivity by actively participating in Agile Scrum, leading to the delivery of projects 80% faster through effective sprint planning, stand-ups, and retrospectives.

Freelance   **January 2023 – May 2024**
Full-Stack Developer   *Remote*

- Designed and implemented full-stack web applications with advanced features, increasing client engagement by 30% through user-focused design and feature optimization.
- Delivered custom software solutions that improved client satisfaction by 25%, ensuring clear alignment with business goals and effective communication with stakeholders.

Projects

Algorithm Code Management Platform | *Next.js, React, TypeScript, HTML, TailwindCSS, Firebase, VS Code*

- Led a team of 3 developers to build a platform for organizing coding solutions, engaging 50+ active users.
- Increased development efficiency by 40% through the implementation of Next.js-based reusable components, API Routes, and Firebase authentication (Google, GitHub).
- Enhanced application scalability and maintainability by optimizing state management, improving performance by 25%.

Android Weather Application | *XML, Java, RESTful APIs, Android Studio*

- Led a team of 2 developers to build an Android weather app using Java, XML, and RESTful APIs, improving data accuracy by 30% through seamless integration with OpenWeatherMapAPI.
- Enhanced user experience by 25% through rigorous testing on Android Studio simulators, ensuring a responsive and error-free interface across multiple device types.

Chatbot | *Flask, Python, HTML, CSS, RESTful APIs, VS Code*

- Collaborated with 3 developers to build a rule-based chatbot using predefined patterns and fuzzy matching algorithms for enhanced response accuracy.
- Integrated OpenAI's API to achieve 90% user satisfaction by providing context-aware responses tailored to user queries and saving to the dataset.

Leadership

AlgoSync   **June 2024 – Present**
Founder

- Founded and led a community platform that connects programmers to share knowledge about the tech industry and job market, fostering collaboration and professional development.
- Increased community engagement by 50% through the creation of informative blog posts and educational videos on YouTube, providing valuable insights for tech enthusiasts.