

Hao Ly

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EDUCATION

California State University, Fullerton
Bachelors of Science in Computer Science

Aug 2022 - Dec 2024
Fullerton, CA

SKILLS

Languages: JavaScript, Python, HTML, CSS, Java, C, C++, TypeScript

Frameworks/Libraries: React, Next.js, Node.js, Express, Flask, TailwindCSS, Bootstrap

Tools: Git, Github, Linux, Firebase, MongoDB, MySQL, ESLint, Postman, Visual Studio Code, Android Studio

WORK EXPERIENCE

Application Developer Intern

May 2024 - Aug 2024

The Yiddish Arts and Academics Association of North America

Remote

- Designed and launched cross-platform applications using Flutter and Firebase, achieving seamless compatibility across Android, iOS, Windows, and Mac. Collaborated closely with the UI/UX team to translate Figma designs into functional, user-friendly interfaces.
- Enhanced team productivity by actively participating in Agile Scrum processes, providing weekly progress reports, implementing feedback-driven updates, and rigorously testing with Android Simulators to ensure top-notch user experience.

Full-Stack Web Developer

Jan 2023 - May 2024

Freelance

Remote

- Engineered and deployed full-stack web applications for diverse clients, delivering high-impact projects like a hotel booking platform and an e-commerce site featuring advanced functionalities such as secure payment gateways, user authentication, and real-time search capabilities.
- Facilitated successful client outcomes by maintaining clear, consistent communication and providing tailored software solutions aligned with business objectives.

PROJECTS

AlgoLocker | *Next.JS, React, Typescript, HTML, TailwindCSS, Firebase, Visual Studio Code*

- Collaborated with a team of 3 developers to build a web application for organizing and storing LeetCode solutions, leveraging Next.js, TypeScript, and Tailwind CSS for a responsive, and user-friendly interface.
- Implemented Firebase for robust authentication and secure data storage, supporting diverse login methods such as Google, GitHub, and Email/Password.

Mobile Weather App | *XML, Java, Weather API, Android Studio*

- Led a 2-member team to create an Android weather application, enabling users to view real-time and forecasted weather data for any location, including current and global cities.
- Engineered the app interface using XML and Java, integrating with the OpenWeatherMap API to deliver precise weather updates and a seamless user experience.

Chatbot | *Flask, Python, HTML, CSS, OpenAI API, Visual Studio Code*

- Designed and implemented a rule-based chatbot using Python and Flask, incorporating predefined patterns, fuzzy matching, and OpenAI API to enhance user interactions and provide intelligent responses.

LEADERSHIP

Founder

June 2024

AlgoSync

- Founded and led a community by implementing engagement strategies, organizing content creation initiatives, and facilitating knowledge exchange across various tech domains.