

Hao Ly

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EDUCATION

B.S. Computer Science

California State University, Fullerton

Expected Graduation Date: 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

Coursework: Data Structures, Software Engineering, Algorithm Engineering, Operating System Concepts, Open-Source Software, Mobile Development Programming

WORK EXPERIENCE

Application Developer Intern | *The Yiddish Arts and Academics Association of North America*

May 2024 - Aug 2024

- Collaborated in a Scrum team environment to develop "Yiddish Connect," a social media app for Yiddish language learners, utilizing Git and GitHub for version control.
- Developed cross-platform features using Flutter, integrated Firebase for user authentication (Google Sign-In, Phone Sign-In), and data storage.

Freelance Web Developer | *Self-Employed*

Jan 2023 - May 2024

- Independently tackled diverse client projects, translating design concepts into fully functional and visually compelling websites.
- Maintained continuous communication with clients to update and refine projects, ensuring alignment with evolving requirements and expectations.

Participant | *FullyHacks Hackathon*

Feb 2024 - Feb 2024

- Collaborated with teammates through Git and GitHub for project management, and developed a full-stack web application in a 24-hour hackathon.

PROJECTS

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

- Collaborated with a team of 3 developers to create a web application for organizing and storing LeetCode solutions, using Next.js, TypeScript, and Tailwind CSS to ensure a responsive and user-friendly interface.
- Implemented Firebase for secure authentication and data storage, supporting multiple login methods including Google, GitHub, and Email/Password.

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

- Led a 2 member team to develop a Java-based Android weather app integrating APIs for real-time weather updates.

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

- Collaborated with a team of 4 developers to develop a rule-based chatbot that generates answers based on the user's inputs through our predefined pattern and fuzzy matching algorithms.

Stop Touching Face | *React, HTML, CSS, Tensorflow, Visual Studio Code*

- Implemented a facial recognition AI system using TensorFlow.js' KNN-Classifer and MobileNet libraries, which was trained rigorously to detect and alert users based on facial touch or hand-lowering actions, providing proactive guidance and prompt notifications.