Hana Chloe Yoon

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EDUCATION

University of California, Los Angeles (UCLA)   Los Angeles, California
Bachelor of Science, Computer Science   Expected June 2027
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Software Engineering, Web Development

TECHNICAL SKILLS

- Languages: C++, Java, JavaScript, Python, C#
- Database Management: MongoDB, Firebase
- Frontend: React, HTML, CSS
- Tools and Frameworks: Unity, Assembly
- Backend: Node.js, Express.js

RELEVANT EXPERIENCE

Society of Women's Engineering (SWE)   Los Angeles, California
Web Development Comittee   September 2024 - Current
- Developing a SWE membership portal that streamlines event sign in, integrating backend APIs and databases to track member information and progress, and encourage involvement with SWE events (1,400+ students)
- Create and implement the design of SWE Glassdoor website, a community-focused career preparation platform (React, HTML, CSS)
- Collaborate with backend engineers to connect API endpoints and build a mentor-mentee matching algorithm to enhance user experience

Evening with Industry (EWI)   Los Angeles, California
Web Developer   September 2024 - January 2025
- Designed and launched the 2025 Evening with Industry website, featuring event details and a registration system for UCLA's largest student-run networking event, serving 300+ participants and 40 companies (React, HTML, and CSS)
- Developed a dynamic table-sorting algorithm to efficiently match students with company representatives based on preferences
- Created parity with both desktop and mobile implementations, ensuring consistency in functionality and accessibility to expand viewer reach
- Optimized user interface by redesigning layout, color schemes, and visual elements to improve user navigation and information attainability

Engineers for Professional Inclusion Conference (EPIC)   Los Angeles, California
Web Developer Lead   January 2025 - Current
- Producing a website requested by SWE's Advocacy Committee that exhibits EPIC's purpose and event details, increasing attendee usability
- Integrate provided Figma designs into a responsive web interface for users to view and access essential information

PERSONAL PROJECTS

ChitChat (Messaging Platform)   Los Angeles, California
Full Stack Developer   September 2024 - December 2024
- Constructed a real-time messaging app using a client-server architecture with React, Node.js, Express.js, and MongoDB
- Implemented secure user authentication using JWT for token-based access and bcrypt for password hashing by integrating API middleware
- Enhanced user experience by designing a customizable theme feature across chat surfaces with dynamic elements to improve visual engagement and accessibility
- Architected and optimized client and server APIs for searching, editing, deleting, and reacting to messages in both individual and group chats

Task Tracker   Los Angeles, California
Full Stack Developer   January 2025 - February 2025
- Produced a real-time task management app, featuring Google Authentication and cloud-synced task storage to enable dynamic task organization (React, Firebase (Firestore and Auth), Node.js Express.js, CORS, HTML, CSS)
- Implemented drag-and-drop task reordering, due date management with visual indicators, and real-time updates to enhance user experience
- Integrated OpenAI API and optimized backend communication to generate AI-motivational messages to encourage task completion

Automated Pet Feeding System   Los Angeles, California
Frontend Developer   April 2024 - June 2024
- Developed a responsive web app with a tracking screen that allows users to schedule pet feedings and monitor water levels for a pet feeder
- Led the creation of dynamic water bowl images, reflecting real-time sensor data to enhance user engagement and app functionality (React)
- Collaborated with backend and electrical engineering teams to integrate hardware components into the web application, leading data exchange and synchronization between sensors and the web app

LEADERSHIP

Little Miss Coders   Hacienda Heights, California
Founder and President   August 2020 - Current
- Founded an organization that empowers young girls in STEM by teaching programming and problem-solving skills
- Collaborate with local elementary schools, developing interactive lesson plans and organizing monthly coding workshops for 20+ students
- Secured $850 in funding through a grant proposal to expand the program's reach, promoting diversity and inclusion in technology

UCLA Alumni Scholars Club (ASC) and Gold Shield Recipient   Los Angeles, California
Gold Shield Scholar   September 2023 - Current
- Selected out of 1,200+ applicants and awarded the Gold Shield Scholarship out of three freshmen for exemplifying leadership and service
- Organize and lead community service events, contributing over 15 volunteer hours per quarter to foster leadership and promote UCLA's values of service and community