Justin Lau

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EDUCATION

University of California, Davis   Davis, CA
Bachelor of Science in Computer Science; GPA: 3.6   *Expected Mar. 2028*
- Concentrations: Intelligence and Modeling/Simulations
- Relevant Coursework: Data Structures & Algorithms, Software Development in UNIX & C++, Algorithim Design & Analysis, Discrete Mathematics

EXPERIENCE

Web Design Certification   Dec. 2024 – Jan. 2025
FreeCodeCamp
- Achieved certification in responsive web design, demonstrating proficiency in building visually appealing and functional websites

PROJECTS

MediHelper | *Figma, HTML/CSS, JavaScript, Google Gemini API*   Apr. 2025
- Served 100+ users by engineering an inclusive full-stack web application to streamline healthcare access for users with disabilities
- Designed WCAG-compliant UI/UX in Figma, improving accessibility scores by 40% and reducing user task completion time by 35% through intuitive component design
- Integrated the Google Gemini API to simplify complex insurance documents and implemented an appointment booking system within a 48-hour agile development cycle

Spotify Clone Web Application | *React, TypeScript, Node.js, Express.js, MongoDB*   Aug. 2024 – Sept. 2024
- Architected a full-stack React/Node.js application with a secure RESTful API, integrated Clerk OAuth/JWT, and built a modern UI with Tailwind CSS and Shadcn, achieving 99.9% uptime
- Developed an admin dashboard with Cloudinary storage and full CRUD functionality, reducing song upload and management time by 60%
- Implemented real-time features with Socket.io including live activity feed and chat, boosting user engagement by 25%

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Swift(basics)
Frontend: React, HTML5, CSS3, Tailwind CSS, Shadcn, Zustand
Backend: Node.js, Express.js, Flask, RESTful APIs, Middleware, JWT
Databases & Tools: MongoDB, Git/GitHub, VS Code, Socket.io, Clerk (OAuth 2.0), Cloudinary
Concepts: DOM Manipulation, Web Accessibility (WCAG), Agile Methodology

LEADERSHIP & ACTIVITIES

Associate Student Body Officer (ASB), Vice President   May 2023 – June 2024
Armijo High School   *Fairfield, CA*
- Directed the planning and execution of 5+ major school events for a population of 1,900 students, managing logistics and coordinating a team of 10+ volunteers
- Liaised between the student body and faculty to advocate for student interests and initiatives

Davis Christian Fellowship, Member   Oct. 2024 – Present
UC Davis
- Engaged with a campus organization focused on community building and spiritual growth

Swift Coding Club, Member   Jan. 2025 – Feb. 2025
UC Davis
- Participated in a 3-week iOS bootcamp focused on SwiftUI, working collaboratively to understand and contribute to a large, pre-existing codebase (Aggie Eats app)