

Jacob Lin

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github.com/codingfella — linkedin.com/in/jacob-s-lin — Portfolio




EDUCATION

- **Santa Clara University** Santa Clara, CA
Bachelor of Science in Computer Science and Engineering; GPA: 3.84 *Sept. 2022 – June 2026 (expected)*
 - Coursework: Data Structures & Algorithms, Objected-Oriented Programming, Embedded Systems, Probability & Statistics, Differential Equations, Electronic Circuits I, Logic Design, Cryptography, Operating Systems, Intro to Databases, Compilers, Computer Graphics, Software Engineering

WORK EXPERIENCE

- **Frontend Web Developer Intern** Santa Clara, CA
Santa Clara University UMC *July 2024 - present*
 - Modernized legacy web components (including 10,000+ Accordion instances), improving user experience, accessibility, load performance, and maintainability while preserving functionality and brand identity
 - Rebuilt site-wide headers and footers to integrate Santa Clara University's new logo and design system by adding a live weather widget and logo animation, and deployed updates across 30,000+ pages
 - Expanded and improved SCU's content type library, ensuring all new components followed the brand identity guidelines, WCAG accessibility requirements, and student/faculty content needs
 - Maintained and updated third party web applications, such as the Admissions portal, Room Reservations, Campus Map, and Phonebook, and coordinated requirements with campus partners

PROJECTS

- **Rubik's Cube Simulation App** [Link to Demo](#) 
 - Built a custom graphics engine in C with no external libraries, capable of rendering 3D objects
 - Developed interactive 3D and 4D Rubik's Cube simulations that run inside any browser via WebAssembly
 - **Technologies:** C, WebAssembly, JavaScript
- **Crochet Counter App** [Link to Demo](#) 
 - Created a native iOS app that provides a digital stitch tracker and pattern library for crocheting
 - Designed the UI/UX in Figma and implemented in Swift using Xcode
 - **Technologies:** Swift, Xcode, Figma
- **Personal Website** [Link to Personal Website](#) 
 - Developed a personal website to host my resume, showcase projects, development blog posts, and demos
 - Designed custom layouts with accessible and mobile-responsive UI interactions
 - **Technologies:** HTML, CSS, JavaScript, FTP

PROGRAMMING SKILLS

- **Languages:** Python, C, C++, Java, Go, JavaScript, TypeScript, HTML, CSS
- **Frontend:** React, Next.js, Tailwind CSS, Bootstrap, Sass/SCSS, Accessibility (A11y)
- **Backend:** Node.js, PHP, MySQL, PostgreSQL, MongoDB, REST APIs, Azure, AWS
- **Tools & Platforms:** Git, Linux, Supabase, Figma, Chrome DevTools, vim, Xcode, Vercel, Netlify