

JASMINE YIP

Los Angeles, California

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Education

University of Southern California

Jan 2024 – May 2027

Bachelor of Science in Computer Science

Los Angeles, CA

- Activities: LavaLab Developer, USC Climbing Team, Trojan Scholars Society
- Honors: Dean's List; Presidential Scholar (Half-tuition merit scholarship); Viterbi Scholar

Experience

Technical Co-founder

February 2024 – Present

Sequence

Los Angeles, CA

- Developed Sequence, a no-code, choice-based story writing and reading tool, using React, Firebase, and React Flow
- Built a whiteboard tool for writers to create movable objects, write content, and adjust connectors to map out storylines
- Engineered a responsive e-book reader that dynamically renders book content from Firestore based on user choices
- Incubated in LavaLab, USC's premier startup incubator, and captured the interest of several VCs & publishing houses

Software Engineer Intern

December 2022 – February 2023

Serato

Auckland, NZ

- Developed core features of Serato Visualizer, a video creator for DJs and music producers with 1M+ global users
- Enhanced user retention by 25% by creating a pixel-perfect, dynamic, responsive download progress page with Vue 3
- Built a Javascript component that accurately processes any drag-and-drop file uploads, boosting success rate by 20%
- Troubleshooted 5-10 issues through bug reproduction, code reviews, and regression testing using Jira for tracking

Web Developer

May 2022 – November 2022

Power Trip

Wellington, NZ

- Led full-scale redesign & redevelopment of powertrip.earth/ using HTML, CSS, JavaScript; GitHub for version control
- Leveraged Google Analytics to improve UX/UI, lifting conversion rates by 30% through data-informed iterative design
- Implemented responsive design and conducted BrowserStack testing, yielding a 25% increase in website performance
- Liaised weekly with CEO to ensure the website's design aligned with company branding, narrative, and timely delivery

Projects

Cookie AI | *MongoDB, Express, React, Node.js, Figma*

October 2023

- Developed an AI-driven tool that breaks down lengthy assignment instructions into manageable and exportable subtasks
- Built a "staging area" where users can customize their subtasks before moving them as timeblocks onto the calendar
- Engineered a sortable, project-centric calendar with React, showing users all project-related events and tasks at a glance
- Awarded First Place at the UNSW x Atlassian Product Hackathon after presentation at Atlassian's global headquarters

y₀ Forum | *PHP, MySQL*

August 2022 – November 2022

- Developed an full-stack career resources platform with a complete login and register system using PHP sessions
- Wrote and optimized server-side scripts in SQL to manage complex CRUD operations using prepared statements
- Employed robust credentialing system by hashing user passwords with the bcrypt algorithm, ensuring optimal security
- Designed and executed test cases, including invalid, boundary, and expected, to identify and resolve software defects

Leadership / Extracurricular

President

March 2021 – February 2023

Wellington International Students' Association

Wellington, NZ

- Led development of website (<http://wgtnisa.org/>) and implemented effective SEO, improving online visibility by 150%
- Facilitated 20+ social events to foster connections and cultural exchange between international and domestic students
- Launched orientation and mentoring initiatives, helping 200+ students integrate into school communities and beyond
- Awarded New Zealand GirlBoss Award out of 450+ nominees for exceptional leadership and community contributions

Technical Skills

Languages: HTML/CSS, JavaScript, C++, Python, Java, PHP, MySQL, TypeScript

Frameworks: React.js, Vue.js, Node.js, Express.js, Tailwind

Developer Tools: Git, MongoDB, Firebase, REST API, Jupyter Notebook, Figma, BrowserStack