

# JASMINE YIP

3096 McClintock Avenue, Los Angeles, California 90089

☎ 213-456-0705 ✉ [yipjasmi@usc.edu](mailto:yipjasmi@usc.edu) [🌐 linkedin.com/in/jasmine-yyy](https://www.linkedin.com/in/jasmine-yyy) [📦 jasmineyip.com](http://jasmineyip.com)

## Education

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### University of Southern California

*Bachelor of Science in Computer Science*

- Presidential Scholarship (half-tuition) & Viterbi Scholarship

**Jan 2024 – May 2027**

*Los Angeles, CA*

### University of New South Wales

*Bachelor of Science in Computer Science*

- WAM: Distinction; Australia's Global University Award (10k)
- 2023 UNSW Digital Makers Competition - Judges' Award for Social Impact
- 2023 UNSW Founders New Wave - Faculty of Engineering Award & People's Choice Award

**Fall 2023**

*Sydney, NSW*

## Relevant Coursework

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- CSCI-103: Introduction to Programming (C++)
- CSCI-170: Discrete Methods in Computer Science

## Experience

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### Serato Ltd.

*Software Engineer Intern*

**December 2022 – February 2023**

*Auckland, NZ*

- Developed core features of [Serato Visualizer](#), a video creator for DJs and music producers with 1M+ global users.
- Created a pixel-perfect, dynamic, and responsive download progress page with Vue 3, enhancing user retention by 25%.
- Engineered a Javascript component that accurately processes drag-and-drop files, preventing extension spoofing attacks.
- Troubleshooted 5-10 issues through bug reproduction, code reviews, and regression testing using Jira for tracking.
- Collaborated in sprint planning and ensured CI/CD for efficient software delivery in a Scrum environment

### Power Trip Ltd.

*Web Developer*

**May 2022 – November 2022**

*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

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### y<sub>0</sub> Forum | PHP, MySQL

**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.

### Cookie AI | Figma

**October 2023**

- Designed an AI-driven tool that decomposes assignment instructions into manageable and exportable sub-tasks.
- Led iterations of wireframes, flow diagrams, and high fidelity Figma prototypes, addressing productivity and task management needs of university students.
- Awarded First Place at Digisoc x Atlassian Product Hackathon (2023) by a panel of product managers and designers.

## Technical Skills

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

**Developer Tools:** VS Code, Figma, BrowserStack, Jira

**Technologies/Frameworks:** Vue.js, Git, GitHub, JQuery, REST API, WordPress

## Leadership / Extracurricular

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### Wellington International Students' Association

*President*

**March 2021 – February 2023**

*Wellington, NZ*

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