

Jasmine Yip

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EDUCATION

University of Southern California

Bachelor of Science, Computer Science

Jan. 2024 – May. 2027

Los Angeles, CA

- Presidential Scholarship (Half-tuition) & Viterbi Scholarship

The University of New South Wales

Fall semester abroad, Computer Science – WAM: Distinction

Sep. 2023 – Dec. 2023

Sydney, NSW

- Australia's Global University Award – \$10,000 scholarship
- 2023 Digisoc & Atlassian Product Hackathon – First Place
- 2023 Digital Makers Competition – Judges' Award for Social Impact & Micro-grant (\$1,000)

Wellington Girls' College

NCEA Level 3 – Excellence Endorsement

Jan. 2020 – Dec. 2022

Wellington, NZ

- 2022 Anna P. Stout Cup for All Round Excellence
- First in Digital Technologies; Distinction (top 6-8%) Calculus, Statistics, Physics, and English

WORK EXPERIENCE

Serato

Software Engineer - Intern

Dec. 2022 – Feb. 2023

Auckland, NZ

- Collaborated closely with a team to build Serato Visualizer, a video creator for music producers with 1M+ users
- Developed a **JavaScript (Vue.js)** component that accurately identifies and handles drag-and-drop files
- Created a pixel-perfect, responsive download progress page with features like progress bar and image carousel
- Troubleshooted and conducted regression testing on 5-10 bugs per sprint using **Jira** for bug tracking
- Executed automated testing using **Bash script**, including unit tests, integration tests, and performance tests
- Assisted in sprint planning and ensured **CI/CD** for efficient software delivery in a Scrum environment

Power Trip

Web Developer

May. 2022 – Nov. 2022

Wellington, NZ

- Redeveloped company website using **HTML**, **CSS**, and **JavaScript**, reducing bounce rate by over 20%
- Proactively liaised with the CEO to solicit feedback and translated discussions into **Figma** prototypes
- Validated design decisions via usability and functionality testing and ensured exceptional **UI/UX** design
- Implemented **responsive web design** and meticulously tested cross-browser and cross-device compatibility

PROJECT EXPERIENCE

Pacman Game

Personal project

Dec. 2023 – Dec. 2023

Sydney, NSW

- Developed a fully functional Pacman game using **Python** and the **Pygame library**
- Implemented core gameplay mechanics such as player/ghost movements, score tracking, and collision detection
- Incorporated keyboard input handling for player control and **GUI**, improving interactivity and user experience

jasmineyip.com

CSSDA's Special Kudos Award & Best UI, UX & Innovation Award

Aug. 2023 – Dec. 2023

Sydney, NSW

- Developed a responsive, minimalistic portfolio website and optimized cross-browser and platform compatibility
- Implemented advanced **JavaScript** functionalities, such as an animated timeline, with detailed micro-interactions
- Awarded CSS Design Awards for outstanding design with high level of creativity, code, and usability

y₀ (Why Not) Online Forum

Aug. 2022 – Nov. 2022

Year 13 Digital Technologies Project (First in class)

Wellington, NZ

- Developed a full-stack career resource online forum with a complete login system using **PHP** sessions
- Wrote and optimized database interactions via **SQL** prepared statements, letting users post, edit, search, filter
- Utilized PHP functions to validate input, handle errors, and encrypt sensitive information, protecting user data
- Designed and executed test cases to identify and resolve software defects within features and functionalities

Pokémon Collector

Apr. 2022 – May. 2022

Year 13 Digital Technologies Project (First in class)

Sydney, NSW

- Developed a system using **Java**, letting users view, add, modify, and search for their cards and monetary values
- Utilized **object-oriented programming** principles for enhanced modularity, scalability, and maintainability
- Extended the program with a **GUI** component for the cards, creating a user-friendly visual experience
- Conducted thorough functionality testing to ensure robustness, error-resilience, and reliability of the program

EXTRA CURRICULAR EXPERIENCE

UNSW Digital Society

Oct. 2023 – Dec. 2023

Careers Director

Sydney, NSW

- Coordinated logistics, marketing, and execution of career-related events, such as Product Interview Workshop
- Formed prospective leads with sponsors and external parties, including Atlassian and Training Services NSW
- Actively identified the student body's interests to led initiatives that add value to them, such as Digi Cafe

Buddy Up

Aug. 2023 – Oct. 2023

Co-founder

Sydney, NSW

- Co-founded Buddy Up, a university-exclusive social platform, through the UNSW New Wave program
- Ideated, validated, and refined the concept through competitor analysis, market research, and MVP testing
- Translated the start-up's visions and survey insights into **wireframes** and interactive **Figma** prototypes
- Awarded the Faculty of Engineering Award (A\$2,500) and People's Choice Award (A\$1,500) on pitch night

Wellington International Students' Association

Mar. 2021 – Feb. 2023

President

Wellington, NZ

- Facilitated social events to foster connections and cultural exchange between international and local students
- Launched orientation and mentoring initiatives to help new students integrate into the school community
- Led the development of the website and implemented effective **SEO**, boosting online visibility by over 200%
- Awarded New Zealand Girlboss Community Award out of 450+ nominees and featured on The Dominion Post

ADDITIONAL INFORMATION

- **Relevant coursework:** Programming Fundamentals, Discrete Mathematics, Calculus I, Calculus II
- **Additional awards:** 2022 Top in New Zealand - A Level Chinese, 2022 NCEA Scholarship Statistics (top 3% nationally), 2022 Australian Mathematics Competition (AMC) - Distinction
- **Skills:** Programming (Java, Python, C); Web Design & Development (HTML, CSS, JavaScript); Backend Development (PHP, MySQL); Troubleshooting; Scrum; Agile Methodologies; Version Control (Git, GitHub); UI/UX Design (Figma); Object-Oriented Programming; Operating System (Linux); Scripting tools (Bash)