

Simon Ly

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Aspiring Software Developer currently completing a Bachelor of Computer Science (Honours) at UTS, with hands-on experience in developing and deploying interactive applications in multiple programming languages and game development tools. Passionate about developing user-focused software and continuously improving technical skills, with a long-term goal of working in game development.

Skills

Software Development and Programming

Languages: JavaScript | HTML | CSS | C# | Python | Java | C++ | SQL

Framework/Tools: Git | Github | VSCode | Unity Engine | p5js

General Skills

Communication | Organisation | Coordination and Leadership | Passion for Learning and Developing Skills

Projects

Music Crossfade Web App

Technologies: JavaScript, HTML, CSS, IndexedDB, YouTube oEmbed API

[Github](#) | [Live Demo](#)

- Developed browser-based music player with **seamless audio crossfading** using time based volume interpolation
- Engineered a **state-driven playback system** handling transitions, playback control and multiple media sources
- Built **custom drag and drop** interface with dynamic UI layout and realtime queue management
- Implemented **client-side persistence using IndexedDB**, enabling storage and retrieval of media across sessions
- Integrated external media via the **YouTube oEmbed API** and embedded video playback

Personal Portfolio

Technologies: JavaScript, HTML, CSS

[Github](#) | [Live Demo](#)

- Interactive portfolio with **mouse-responsive hero animations** and dynamic UI elements
- Built a **custom infinite carousel system** to showcase projects
- Applied **UX principles** and deployed a responsive site via **GitHub Pages**

Career History

PhoXOXO

September 2025 – September 2025

Cashier

- Managed high-volume transactions in a fast-paced festival environment, serving large customer queues efficiently

- Provided customer support and resolved order issues under time pressure
- Coordinated with team members to maintain smooth stall operations
- Took initiative in leadership roles during peak periods to improve workflow
- Translated between Vietnamese and English to assist communication between staff and customers

Education

University of Technology Sydney
Bachelors of Computer Science (Honours)

2023 - Expected Graduation 2027

Bonnyrigg High School
Higher School Certificate

2016 - 2022