

# Lynn Xie

+61 452548368 | lynn.xie@outlook.com | linkedin.com/in/linxx/

## PROFILE

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Software developer with a robust foundation in programming languages and web technologies. Passionate about leveraging personal experiences in problem-solving, improving user experiences and learning from the experiences of others to build impactful, technically sound solutions addressing real-world challenges

## EDUCATION

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### Master of Software Engineering

Feb 2024 - Dec 2025

*The University of Melbourne*

- Computing and Information Systems Discipline Award Winner

### Bachelor of Science

Mar 2021 - Dec 2023

*The University of Melbourne*

- Major in Computer and Software Systems

## EXPERIENCE

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### Full-Stack Developer Intern

Feb 2025 - Jul 2025

*DineSeal (Vision Verse Interactive Pty Ltd), Remote*

- Developed production-ready fullstack features using a TypeScript React/Next.js frontend and Node-based Next.js/Hasura GraphQL APIs, implementing a complex Craft.js drag-and-drop page builder for DineSeal's gamified loyalty platform
- Implemented and enhanced reusable UI blocks (Text, Button, Image) within an existing component-based design system, enabling non-technical users to build customised pages through intuitive interfaces
- Built block-level editing features (duplicate, reorder, and group nested blocks) in the Craft.js page builder, wiring the resulting state into existing GraphQL APIs for fast, reliable, automatic content persistence
- Designed responsive interfaces with Tailwind CSS, ensuring cross-device compatibility and modern UI/UX across mobile and desktop viewports while adhering to Figma design specifications
- Collaborated in agile Kanban workflow with biweekly standups and peer code reviews through GitHub, providing constructive feedback and maintaining comprehensive documentation to accelerate team onboarding
- Debugged complex frontend issues including component lifecycle problems, state management bugs, and API integration challenges, developing strong, repeatable problem-solving approaches

### Product Owner and Frontend Developer

Feb 2025 - Oct 2025

*SkyView - Aircraft Collision Detection System, Final Year Capstone Project*

- Developed key frontend features using React and React Leaflet including flight path playground simulator to simulate real-time collision detection, and comprehensive event history dashboard with filtering capabilities, enabling users to visualize, simulate, and analyse aircraft collision scenarios
- Built interactive playground feature allowing users to draw custom flight paths on an interactive map, simulate aircraft movement with trajectory predictions, and detect potential collisions with visual alerts and severity indicators, storing simulation events in local state management
- Implemented event history component with multi-tab interface (collisions, go-arounds, SID deviations), date range filtering, severity-based filtering, and event deduplication, seamlessly merging real-time API data with playground simulation events for comprehensive analysis
- Developed area-based export functionality enabling users to filter and export flight data as CSV files, with intuitive UI controls for geographic region selection and data customization
- Collaborated with cross-functional team of 11 developers using Git for version control and Jira for sprint planning, participating in code reviews, contributing to architectural decisions, and maintaining clean, maintainable, well-structured code following best practices
- Led stakeholder UAT sessions and translated technical requirements into prioritized development roadmap, gaining experience in client communication and product management

**Web Developer Intern** Mar 2023 - Nov 2023*Mobile Learning Unit, University of Melbourne*

- Developed the revamped media carousel UI used for accessing learning modules using HTML, CSS, and JavaScript. Revamped UI made it much easier for all students and staff using the platform to identify and interact with the learning modules as the update rolled out across the entire platform
- Led the migration of a separate website to a new domain, researching DNS management protocols, coordinating with hosting providers, and ensuring zero downtime during the transition
- Enhanced Salesforce LMS functionality through Apex module customisation and testing, improving system reliability and user workflows for course administrators

**Student IT Support** Jun 2022 - Present*University of Melbourne*

- Diagnosed and resolved technical issues for enterprise infrastructure, developing systematic troubleshooting approaches and clear communication skills when explaining complex problems to non-technical users
- Managed ServiceNow ticketing system for incident tracking and resolution documentation, exercising sound judgment when escalating complex matters to specialized teams

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**TECHNICAL SKILLS****Frontend:** React.js, TypeScript, JavaScript, Next.js, HTML, CSS, Tailwind CSS, Craft.js**Backend & APIs:** GraphQL (Hasura), REST APIs, Node.js, PostgreSQL, MongoDB**Development Tools:** Git/GitHub, Jira, Figma, Docker, Agile/Scrum methodologies**State Management:** React Context API, component-based state architecture**Languages:** English (Native speaker), Mandarin (Conversational)