

# MO-YUN WU

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## FRONT END ENGINEER

Master of Computer Science graduate with over two years of professional frontend development experience, specialising in component-based architecture, REST API integration, and full-stack web development. Proficient in JavaScript, TypeScript, Vue.js, React Native, PHP and MySQL, with hands-on experience in Git-based Agile workflows including code reviews and CI/CD pipelines. Experienced working across the full stack in both professional and academic environments, with a strong focus on code quality, system reliability, and continuous learning. Eager to contribute to a production engineering team where curiosity and doing things properly are valued.

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## TECHNICAL SKILLS

**Programming:** HTML, CSS, JavaScript, TypeScript, PHP, Python, MySQL

**Frameworks:** React, Next.js, Vue.js, React Native

**Styling & Component Libraries:** Tailwind CSS, Vuetify, Bootstrap, SASS, Component-based Design

**API Integration:** REST APIs, FastAPI

**Database:** MySQL, PostgreSQL

**Tools:** Git, GitLab CI/CD, Agile workflows, Postman

**Concepts:** Responsive Design, UX/UI Principles, State Management, AI-assisted Development

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## PROFESSIONAL EXPERIENCE

**Australia Career Forum**

**October 2022 - August 2023**

**UI/UX Designer**

Led UX improvements for a career development platform, aligning design systems with frontend implementation to enhance usability and development efficiency.

Accomplishments:

- Designed and prototyped responsive user interfaces with a focus on usability and accessibility.
- Bridged design and development by working closely with frontend engineers to ensure technically feasible implementations.
- Produced structured design documentation to support handoff and project delivery.

**TPI Software**

**January 2020 - June 2022**

**Frontend Engineer**

Contributed to large-scale enterprise fintech and healthcare systems, delivering modular, high-performance frontend applications in a fast-paced Agile environment.

Accomplishments:

- Built and maintained reusable UI components using Vue.js and TypeScript within large-scale enterprise fintech and healthcare systems.

- Implemented complex state management and business logic to ensure accurate data rendering across high-volume workflows.
  - Integrated REST APIs to support reliable data flow between frontend and server layers.
  - Undertook solution analysis and software construction in line with technical standards and client requirements.
  - Participated in Agile workflows including sprint planning, peer code reviews, and CI/CD pipelines via GitLab, while providing ongoing development and support services for production systems.
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## EDUCATION

**University of Wollongong**    **2023 - 2025**

Master of Computer Science (Distinction)

**Ming Chuan University**    **2011 - 2015**

Bachelor of Product Design

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## PROJECTS

**SLACA – Student Lifestyle & Academic Convenience Aid App**

**August 2024 – May 2025**

Developed features for a cross-platform mobile application built with React Native and TypeScript within a 5-member Agile team.

- Led frontend development, independently delivering approximately 80% of all frontend features.
- Designed and developed a REST API module end-to-end, then integrated it into the frontend to support real-time data updates.
- Implemented dynamic UI behaviours including nested comments and state-based rendering following modular component design principles.

**WordPress Website Project (Academic)**

**May 2025**

Developed a multi-page WordPress website with custom theme styling and PHP plugin functionality.

- Customised theme layout and implemented responsive design using CSS.
- Developed a custom PHP plugin to extend core WordPress functionality.
- Configured content management features within the WordPress environment.

**NEAR – Government Archival Access Platform**

**February 2020 – February 2021**

Contributed to a large-scale commercial government project delivering a public-facing archival platform built with Vue.js and Vuetify.

- Developed dynamic frontend components including a word cloud visualisation and multi-level hierarchical selectors to manage complex navigation flows.
- Integrated Google Maps API to visualise location-based archival data and applied Google reCAPTCHA to protect public form submissions.
- Implemented multi-language support (i18n) and collaborated with backend developers to ensure accurate data rendering.
- Contributed to a companion internal platform (ONLINE) featuring role-based access control, where frontend components were conditionally rendered based on permission tags returned from the API.