EI PHYU PHYU MON

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PROFILE

Computer Science graduate and current Master of Professional Engineering student at USYD with hands-on experience in full-stack web and mobile development. Skills in React, Node.js, Python, and cloud platforms with a track record of delivering tested, scalable solutions. Recognized for leading teams and applying agile practices to deliver impactful projects.

TECHNICAL SKILLS

Languages: JavaScript (React, TypeScript, Node.js, Jest, React Native), Python (Flask, Django, NumPy, pandas), Java (OOP, JUnit JavaFX, Spring Boot), SQL (MySQL, PostgreSQL), C
Tools: Docker, Git/GitHub, Jira, MongoDB, Firebase, Postman, Google Cloud, REST APIs, Cypress, Vitest
Practices: Agile/Scrum, CI/CD, Test-Driven Development (TDD), Figma

EDUCATION

Master of Professional Engineering (Software) | University of Sydney   August 2025 - Present
- Coursework: Agile Software Development, Advanced Systems Design, Security Engineering
- USYD International Student Award (~$26,000 merit-based scholarship)

Bachelor of Science (Computer Science) | University of New South Wales   Graduated June 2025
- UNSW International Student Award (~$13,000 merit-based scholarship)

EXPERIENCE

Software Engineering Intern (Capstone) | CryptoChat Web App - UNSW   Feb 2025 – May 2025
- Built AI-powered crypto chatbot with React/Node.js/MongoDB, improving query latency to <500mx for 50+ users
- Integrated OpenAI + financial APIs, engineered Dockized backend, and led 4-member agile team
- Contributed 85%+ tested code coverage and automated workflows with GitHub Actions

Technology Insights Program | KPMG Australia   April 2024 - April 2024
- Delivered a prototype sustainability solution during a design-thinking challenge to consultants and mentors
- Applied cloud, AI, and cybersecurity concepts to simulate enterprise consulting solutions
- Strengthened communication and stakeholder engagement through workshops and executive feedback

RELEVANT PROJECTS

StudySpark (React Native + Firebase)   March 2025
- Built study-buddy app with swipe-based UX and Firebase Auth for secure login
- Deployed real-time chat functionality that supported 50+ concurrent users during pilot testing

Presto (React + REST API + Cypress   November 2024
- Built MVP frontend for an interactive Q&A app with live slide creation and multimedia
- Automated UI testing with Cypress and Vitest, reducing manual QA effort by ~35%

Dungeon Mania (Java + Junit)   August 2024
- Refactored and extended a Java-based game engine using design patterns, removing 20+ code smells
- Added new gameplay features (box battles, logic circuits) with 95% Junit test coverage

EXTRACURRICULARS

Vice President | UTS Maths Society   March 2023 - December 2023
- Organized 6+ academic-industry networking events with 100+ attendees
- Secured $2,000+ in sponsorships to fund competitions and workshops
- Mentored 5 junior executives, improving member retention by 20%