

LEO ALAVI

Graduate Software Engineer | Full-Stack, Mobile & Applied AI

leo@leoalavi.dev | +61 451 519 624 | Sydney, NSW, Australia

linkedin.com/in/leo-alavi | github.com/leoalavi | leoalavi.dev

PROFILE

Final-year Bachelor of Information Technology student at Macquarie University, majoring in Artificial Intelligence and Web & Mobile Application Development, with hands-on experience across software engineering, full-stack web development, Flutter mobile applications and applied AI. Currently a Software Intern at Calumino and co-founder of Syllabus Sync, with experience building, debugging and testing real software products. Australian citizen graduating in November 2026 and seeking graduate software engineering and technology roles.

SKILLS

Languages: TypeScript, JavaScript, Python, Dart, Java, SQL

Frontend & Mobile: React, Next.js, Flutter, Tailwind CSS, Responsive Design, Accessibility, Deep Linking

Backend & Databases: Node.js, Supabase, PostgreSQL, REST APIs, Authentication, Row-Level Security

Applied AI: Vercel AI SDK, LLM Integration, PyTorch, Computer Vision, Transfer Learning, Model Evaluation, Grad-CAM

Testing & DevOps: Git, GitHub, GitHub Actions, Vitest, Playwright, Flutter Testing, CI/CD, Vercel

EXPERIENCE

Software Intern | *Calumino*

July 2026 – Present

- Contribute to internal software tools and computer vision-related review workflows, implementing features, debugging issues and validating changes within an established engineering codebase.
- Develop and maintain Python-based tooling supporting internal review, annotation and computer vision workflows.
- Investigate issues across application code and runtime environments, including tracing inconsistent review-tool behaviour to an outdated backend process serving a stale API version.
- Collaborate with engineers through code reviews, technical discussions, testing and iterative development.

Software Developer & Co-Founder | *Syllabus Sync*

December 2025 – Present

Selected for the Macquarie University Incubator in May 2026

Website: syllabus-sync.app | GitHub: github.com/leoalavi/syllabus-sync

- Co-founded and co-developed Syllabus Sync, a full-stack student productivity platform with integrated AI study tools through Sylla.
- Contribute to frontend architecture, authentication, responsive design, accessibility and automated testing using Next.js, TypeScript and Supabase.
- Implemented destination-based deep linking between Syllabus Sync and MQ Navigation, enabling direct web-to-mobile campus navigation.
- Participate in customer discovery, product validation, mentoring and founder development through the Macquarie University Incubator and EDUCATE accelerator.

Web Developer | *SBR Group*

October 2023 – December 2024

Promoted from a three-month internship to a paid development role.

- Improved the company's WordPress website across mobile responsiveness, usability and page performance.
- Automated recurring internal coordination workflows using Monday.com, reducing manual follow-up and improving visibility of task ownership and progress.
- Collaborated with stakeholders to translate business requirements into practical website and workflow improvements.

PROJECTS

Astronomy Open Night – Flutter Event Navigation App

August 2026 – Present

Flutter, Dart, Google Maps SDK, Deep Linking, Xcode

- Co-developing a Flutter event navigation app for Macquarie University's Astronomy Open Night, supporting event information, venue navigation and in-app walking directions.
- Integrated Google Maps-based navigation and mobile flows for accessing event locations and information.
- Contribute to external testing and mobile release preparation for App Store and Google Play distribution.

Sylla – AI-Powered Study Assistant

July 2026 – Present

Next.js, React, TypeScript, Tailwind CSS, Vercel AI SDK, Supabase, Vitest

Live: sylla.syllabus-sync.app | GitHub: github.com/leoalavi/Sylla

- Built an AI-powered study assistant with streaming responses, persistent conversation history and reusable study workflows using Next.js, TypeScript, Supabase and the Vercel AI SDK.
- Designed and implemented structured workflows for summaries, explanations, flashcards, quizzes and study planning.
- Designed Sylla to operate both independently and as an integrated assistant within the wider Syllabus Sync ecosystem.

MQ Navigation – Flutter Campus Navigation App

March 2026 – Present

Flutter, Dart, GoRouter, Deep Linking, GitHub Actions, Flutter Testing

GitHub: github.com/leoalavi/MQ_Navigation

- Building a Flutter campus navigation application supporting destination discovery, route previews, transport information and access to key university locations.
- Implemented destination-based deep linking between Syllabus Sync and the mobile app, enabling direct web-to-mobile navigation.
- Improved app reliability and usability through mobile-first interface design, accessibility-focused flows and automated Flutter testing.

EDUCATION

Bachelor of Information Technology

July 2023 – November 2026

Macquarie University

Majors: Artificial Intelligence; Web and Mobile Application Development | WAM: 75/100 (Distinction)

- Coursework and practical development across software engineering, full-stack development, mobile applications, databases, data structures, algorithms and applied AI.

Certificate IV in Information Technology (Programming)

July 2022 – July 2023

TAFE NSW

- Practical training in HTML, CSS, JavaScript, PHP, MySQL, responsive design and database-driven application development.

ADDITIONAL EXPERIENCE

Sales Co-worker | IKEA Australia

May 2025 – Present

- Resolve customer enquiries and coordinate across sales, logistics and warehouse teams in a high-volume retail environment.

Sales Assistant | Zara

December 2024 – May 2025

- Delivered customer service and supported product enquiries, transactions and stock operations in a high-volume retail environment.