

Summary

Recent Bachelor of Computer Science graduate who has shipped production Next.js, React, and Python applications used by real customers. Experience raising >A\$5 000 in online donations, cutting educators' marking time by 60%, and analysing ABF datasets. Comfortable across the stack frontend, backend, databases and ready to contribute code, learn fast, and grow with a collaborative engineering team.

Technical Skills

Languages JavaScript/TypeScript, Python, Swift, C++, C#, SQL **Frontend** React, Next.js, HTML, CSS, Tailwind **Backend** Node.js, Prisma, ASP.NET Core **Databases** PostgreSQL, MySQL **DevOps** Docker, GitHub Actions, Vercel **Tools** Git, VS Code

Project Experience

Community Café Charity Website — Full-Stack Developer | Next.js, Prisma, Stripe, PostgreSQL | 2024–Present

- Architected and deployed a donation/volunteer platform; processed 150+ transactions and raised > A\$5 000
- Integrated GitHub with Vercel to trigger automatic preview deployments and run a basic test suite on each pull request, giving stakeholders instant feedback.
- Led regular check-ins with non-profit stakeholders, ensuring accessibility and mobile optimisation.

CoPilot for Teachers — Full-Stack Developer | Next.js, OpenAI API, Prisma | 2024

- Built a generative-AI micro-service that drafts personalised feedback, helping teachers return marked work faster and focus on lesson planning.
- Collaborated with a four-member Creators Club team and the client to iteratively refine prompts and UI using the OpenAI API, running weekly demos and incorporating feedback to improve response quality.

Neurolyzer Analysis Toolkit — Software Engineer | Python, NumPy, Pandas | Jan 2025 – Present

- Built a cross-platform analysis application that handles ABF data, developed for a neuroscience professor at Western Sydney University
- Packaged Neurolyzer for distribution as both a macOS DMG and a Windows installer
- Developed the core analysis algorithms in Python (NumPy, Pandas), working closely with the professor through regular feature reviews to ensure the tool met research needs.

MatchMate (prototype iOS app) — Solo Developer | SwiftUI | 2023

- Real-time football fixtures with a self-hosted caching layer

Professional Experience

Warehouse IT Technician | TES-AMM, Sydney | 2017

- Diagnosed and tested PC hardware components (RAM, HDDs, power supplies), ensuring reliable workstations for warehouse operations.
- Imaged and installed fresh Windows and Linux OS on 100+ devices.
- Provided tier-1 onsite support for scanners, printers and network issues.

Pick Packer | ACME Logistics, Sydney | 2018–2022

- Collaborated in fast-paced team to meet daily dispatch targets and meet KPI's.

Education

Bachelor of Computer Science, Western Sydney University — 2022–2025

Diploma of Information Technology, TAFE NSW — 2017

Extracurricular

Creators Club — Member (2024–Present)

- Weekly hack-nights with industry mentors
- Co-built CoPilot for Teachers app (Next.js & Prisma)