

WORK EXPERIENCE

Macquarie Bank

FEB 2025 - PRESENT

Software Developer

- One of two engineers building a full-stack order management platform (Next.js, Python, Django) processing \$4B+ in traded Chinese commodities.
- Secured Architectural Review Board approval within 8 weeks — unblocking a 6-month-stalled Phase II expansion.
- Shipped and recorded 5+ user workflows in one week to accelerate onboarding across trading teams.
- Documented and secured internal API suite using DRF-Spectacular and granular permission controls.

KPMG

JUN 2024 - FEB 2025

Quantum Computing Developer

- Sole developer building full-stack quantum optimisation prototypes (React, Tailwind, FastAPI, Azure, Python) for client demonstrations.
- Reduced model runtime by 50% via multi-threaded QIO model construction and execution automation.
- Automated end-to-end PowerShell deployment pipelines for reproducible runs on Azure VMs.

The University of Sydney

FEB 2023 – JUN 2025

Academic Tutor

- Taught Cybersecurity, Data Science & Python to 160+ students in 8 classes across 4 semesters.
- Courses taught include INFO1110, INFO2222 & DATA2001.

NAB

AUG 2022 - FEB 2023

Software Developer Intern

- Enhanced debugging processes by developing two internal web dashboards through HTML, SQL and Python to display all data sent to our REST API. This component eliminated the need for support staff to manually query the database, reduced support ticket response times by 20%.

Zipmex – Digital Assets Exchange

MAR 2022 - JUN 2022

Business Development & Marketing Intern

- 3X increase in KYC signups as team lead during offline marketing activation at Central Coast Stadium.
- Established Student Ambassador Program, creating social media campaigns and utilising A/B testing to generate 50+ EOLs and onboard 10 recruits.

Boroughs Australia

FEB 2020 - MAR 2021

Accounting & Business Advisory Cadet

EDUCATION

The University of Sydney

B. Computing (Computer Science / Financial Mathematics & Statistics)

2020 - 2023

- **Academic:** Distinction average, Global Mobility & Vice Chancellor's Scholarship.
- **Exchange:** Utrecht University, Netherlands.

North Sydney Boys High School

2014 - 2019

ATAR: 98.25

- **Awards:** Premier's Award for All-Round Academic Excellence, Black Opal Award for Volunteering (150hrs+).

SKILLS

Languages & Technologies: AngularJS, ArgoCD, AWS EC2, Azure, Celery, CSS, Django, HTML, Java, JavaScript, MCP, NextJS, PostgreSQL, PyPika, Python, R, React, SQL, Tailwind CSS.

Marketing & Design Tools: Airtable, Figma, Final Cut Pro X, Mailchimp, Photoshop, Webflow, Zapier

PROJECTS

[Spaceship Tax Calculator](#)

Github REST API, Python, React, Resend, Stripe, Supabase, Tailwind

Spaceship is an Australian managed fund with ~\$2B AUM, recently acquired by eToro. Their investor tax reports omit the CGT discount for assets held over 12 months. To solve this, I reverse-engineered Spaceship's internal API (no public API available) and built a Python engine to calculate capital gains using standard FIFO/LIFO methods. Reports were generated via the ReportLab package for accountant-ready PDFs.

After validating the backend, I pivoted from building a full web app to launching a focused landing page: spaceship.tax - inspired by Ramp's UX. I integrated Stripe (checkout), Supabase (user management), Resend (email), and the GitHub REST API (automated repo access) to monetize the product.

This project combined accounting and computer-science expertise, as well as product judgment to balance technical depth with commercial focus. I'm now testing pricing and marketing strategies via Reddit, YouTube, and LinkedIn to identify acquisition channels and validate product-market fit

[RUNHUB.CO](#)

Webflow, JetBoost, Mapbox.

Built Australia's largest runclub registry in 4 weeks, onboarding 250+ run clubs.

[Personal Website](#)

HTML/CSS/JS, GitHub Pages, Cloudflare, Cloudinary.

Automated CI/CD Pipeline

AWS EC2, Git Hooks, Jenkins, JaCoCo, Junit, ngrok.