

# Ryan Hay

Sydney, Australia | hey@ryanh.co | 0422 847 015 | in/DMRyanH | git/TypeOfCode

## Education

UNSW, BSc. Computer Science / B. Actuarial Studies Feb 2024 - Mar 2028

- WAM: 81 Distinction

Rose Bay Secondary College Apr 2021 - Dec 2023

- ATAR: 99.15

## Experience

Intern Data Engineer, NEOS – Sydney, AU – Part Time Feb 2025 - Present

- Reduced manual monitoring of employee learning activity by 50%. Constructed a robust AWS-based data pipeline to automate the extraction, transformation, and loading of employee learning data from multiple sources into a user-friendly interface.
- Balanced University and three concurrent roles in software engineering, AI development, and data engineering, ensuring high-quality execution across projects.

Freelance Software Engineer, Relevance AI – Sydney, AU – As Needed Dec 2024 - Present

- Developed and deployed 30+ "AI tools" in collaboration with the Relevance team, utilizing Python and LLM driven data transformation pipelines. Enabled AI agents to seamlessly interact with Notion and ClickUp workspaces, enhancing automation and workflow efficiency for over 1000 users.

Software Engineer, Seventh Beam – Sydney, AU – Part Time Mar 2022 - Present

- Developed Seventh Beam's first proprietary product to manage financial transactions on selected cards, transforming a legacy Kotlin back-end into a scalable and market-ready Dart/Flutter full-stack app powered by Google Cloud. Optimized back-end to handle high traffic loads, achieving response times of sub-3 seconds during peak periods of over 100 transactions/s.
- Developed C# API endpoints for the Donut King 'Occasions' project, making order tracking and delivery operations possible in 8 + locations. Integrated enterprise solutions with Microsoft Azure, TASK Software, and Uber to automate order management and delivery workflows.
- Created a Go-based CLI tool to automate boilerplate code generation for Flutter/Dart projects, reducing setup times by 200% and ensuring compliance with company standards.

## Projects

Lectrify.app (2024) git/lectrify.app

- Developed a real-time and concurrent quiz experience for the week-long Devsoc Blueprint Hackathon.
- Won 1st Place and the People's choice award out of 110+ participants.
- Handled a peak of 65 concurrent users at the demo .

## Awards

- 1st | DevSoc Blueprint Hackathon \$200 (2024)
- 1st | Relevance AI Tools Hackathon \$300 (2024)
- 1st with Groq | Eucalyptus x Build Club Hackathon \$500 (2024)
- 3rd | Startmate Fellowship Challenge S25 \$1100 (2024)
- ADF Future Innovators Award \$400 (2023)

## Technical Skills

Languages: Python, Dart, Javascript, C + +, HTML, C#, Go

Technologies: Git, Flutter, Atlassian Suite, Firebase, GCP, AWS, React, Microsoft Azure, .NET