



THE CHALLENGE

Automating Clinical Coding

Clinical coding is a very manual and personnel-intensive job. A small team of 30 processes an average ~100,000 admissions per year for four Perth hospitals, and inaccuracy costs the hospitals money and resources.



THE SOLUTION

The team propose an automated, pre-filled discharge summary which extracts the patients existing clinical information and pre-fills it for the clinician. A predictive model will then be used to develop a recommendation engine to prompt clinicians with commonly correlated diagnoses.



THE BENEFITS

- Saves administrative burden on clinicians, reducing manual processing
- Ensures that activity based funding for hospitals is commensurate to case complexity
- Reduces the risks associated with inaccurate coding
- Real-time AI prompts informing clinical management of patients

MEET OUR RUNNERS UP



IVANA DENG

Ivana's Background

I'm currently completing a Health Data Science Masters remotely from UNSW but have a varied background in project/event management, communications, corporate administration and strategy.

I started my career as a veterinarian and my passion for science and health care has never left. I've worked across private, public and not for profit sectors.

Future Plans

My career goal has always been to do work that is meaningful and impactful on a large scale, which is why I'm drawn to the public sector and recently back to healthcare. Whilst upskilling in the data science space I'm looking for discrete projects to be involved with, in order to increase my scope of experience and skill in this area.



MELISSA BENSON

Melissa's Background

I'm currently enrolled in the Data Analytics Bootcamp with UWA. I am a pharmacist and currently working at the WA Branch of the Pharmacy Guild of Australia.

Future Plans

I would like to keep developing my skills in data analytics by working within the health sector, as healthcare is what I'm most passionate about.

