



THE CHALLENGE

Improving Sepsis Recognition

Delayed recognition and identification of sepsis is a significant problem. When identification of patients with sepsis is delayed or missed, patients may not be placed on the right pathway and miss out on appropriate care. Mortality rates increase by 4 to 7% every hour that sepsis goes undetected.



THE SOLUTION

The team developed *Septack* - a machine learning model that predicts the likelihood of sepsis 6 hours ahead of conventional methods.



THE BENEFITS

- Integrates with existing sepsis screening methods
- Patients are placed on sepsis pathways quicker with improved health outcomes
- Overall reduced mortality rate

MEET OUR RUNNERS UP



ANDREW VINCIGUERRA

Andrew's Background

I am a software engineer at Avant Data Solutions. I have a degree in Science and Chemical Engineering, with a background in software and project engineering.

Future Plans

I am looking to engage with other people working in, and interested to work, in the fields of data science, ML, and BI in a business setting.



ZHEN WANG

Zhen's Background

I am a Data Solutions Engineer at Avant Data Solutions. I have degrees in Computer and Mathematical Sciences, and Electrical Engineering.

I primarily work with clients to help them understand what it means to be data-driven, ranging from data infrastructure, to business analytics, automation, ML and AI.

Future Plans

I would love to have a chat with companies looking to see how they are applying data science and analytics in their business, and what their plans for the future are.



ELI SEMIC

Eli's Background

I am Completing a Masters of Data Science this year, currently working on my Dissertation: Using On-chain Analytics for Bitcoin Price Prediction.

I am also working on a Machine Learning Research Project for Sentient Hubs.

Future Plans

I am looking for a Data Science role which will use Machine Learning to challenge conventional methods and enable me to work on a range of different problems. I love working with domain experts and creating analytical solutions to improve their work processes.



MARK BOON

Mark's Background

I'm a Master of Data Science student at UWA, graduating this year. I've spent the last four years as a full-stack and mobile developer, working with a handful of Australian startups.

Future Plans

I would love to get involved with some pro bono work for a good cause.

