WHO ARE THE PEOPLE
INVOLVED IN ARTIFICIAL INTELLIGENCE?

Sean Gribben

Computer Science
undergraduate
Part-time CSIRO
research technician

PROFESSIONAL

Top-level responsibilities

I am a first year student studying a bachelor of computer science with honors. As AI is not taught in first year (it's typically taught in third year), I have watch lectures from other universities online to learn AI, and understanding how each topic that is taught. To begin with, a project on the identification of miRNA helped give me the motivation and direction to learn about machine learning.

Day-to-day work and skills

I have found a firm grounding in mathematics essential for neural networks, specifically multivariable calculus. Along with this, a good understanding of the python programming language has proven extremely useful for machine learning.

❝ MY IDEAL JOB WOULD BE …

I think I would most enjoy research into AI, to try and push machine learning to achieve its maximum potential.

I live in Melbourne, Victoria.

My interests include programming and writing.

PERSONAL

What subjects did you do in high school?

The subjects I found most helpful were VCE Computing in Year 11, and VCE Algorithmics in Year 12. Computing was incredibly useful, and a really good introduction to programming. Algorithmics is best described as a crash course in computer science, and was a subject I thoroughly enjoyed.

What are you doing at CSIRO?

I am currently using a CNN (Convolutional Neural Network) to identify locations of fire indicators in the environment from a given image. As the output images are inconsistent in many forms, hardcoded values are difficult to employ. This task presented a good opportunity for machine learning, as ML is designed to operate with many inconsistencies and work regardless.

… was a project for identifying mRNA - which are small non-coding RNA molecules found in plants, animals and some viruses.

I am passionate about one day (hopefully) seeing the growth from machine learning to intelligence.

What got me interested in AI …

DIGITAL TECHNOLOGIES HUB