

# Job Spotlight - How to become an AI Engineer

*Create ground-breaking new technologies*

## What do AI Engineers do?

Artificial intelligence (AI) Engineers are responsible for developing and programming new applications and systems for use in smart software and machines. AI uses algorithms, such as logic and probability, as well as other processes such as speech- and face-recognition, to operate and problem-solve without the assistance of people.

If you love technology and science, have a great knack for problem-solving, and want a career in one of the fastest-growing markets in the world, becoming an AI Engineer could be perfect for you.

## About you:

- Excellent problem solver
- Great analytical skills
- Fantastic with technology
- Proficient in coding
- Good attention to detail
- Can work independently and in teams
- Great communicator
- Critical thinker



AI Engineers are also in demand across many industries. Some examples include:

- Aviation & Transport – developing self-driving cars and drones.
- Agriculture – using AI to predict weather patterns and crop growth.
- Manufacturing – AI-driven robots can increase efficiency and production.
- Health – AI machines can automatically scan medical images, provide correct medication dosages, and one day even perform surgery.
- Marketing – AI is commonly used to predict user behaviour and provide tailored suggestions and advertisements.
- Sports – AI machines can use predictive technology to forecast the outcome of games

## How to become an AI Engineer in Australia

You will need to complete a minimum undergraduate level qualification in order to work as an AI Engineer in Australia.

*Step 1* – Complete Year 12 with a focus on English, Maths, STEM, and IT.

*Step 2* – Find a relevant undergraduate degree you would like to study such as computer science, engineering, IT, mathematics, or even finance.

*Step 3* – Consider undertaking a postgraduate qualification in data science, mathematics, or AI to boost your knowledge and employability.

*Step 4* – Make sure you have proficient knowledge in other essential areas, such as programming and coding, [Big Data](#), [cloud services](#), and machine learning.