

THE NETWORK OF AI RESEARCHERS

AI researchers study and help to create artificial intelligence – intelligent machines that can perform human tasks! AI is amazing but it takes the knowledge of many different sciences and fields of research to make it work.

Artificial intelligence researcher
(ar-tih-FIH-shul
in-TEL-uh-junce
REE-ser-cher)



*Artificial intelligence researchers work with different kinds of **technology** to help create AI. But they most commonly work on devices like **computers**, **phones**, and **tablets** to programme AI software.*

WHAT DO AI RESEARCHERS DO?

AI researchers have different tasks and may specialise in different fields of research, but they all have great problem-solving skills. Here is a snapshot of some of the people involved.

COMPUTER SCIENTISTS

These scientists focus on things like creating algorithms and systems that look at intelligent behaviour. They look at how machines can learn, process information, and more.



ENGINEERS

These experts design and build the hardware and systems that power AI. Robotics is a big part of what they do! As AI relies on numbers, engineers consult mathematicians about algorithms and statistics to ensure AI can process lots of data.

COGNITIVE SCIENTISTS

To create AI, scientists must understand how human minds work. Cognitive scientists explore problem-solving and decision-making skills, while neuroscientists study how our brains function.



LINGUISTS

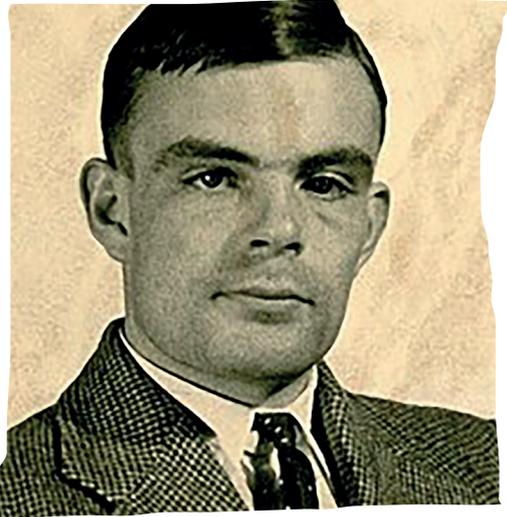
People who study languages are also important as they can help show AI how humans communicate with each other to share thoughts and information. This helps AI learn how to communicate with us too!

WHO DO AI RESEARCHERS WORK FOR?

AI researchers can work in a variety of places like universities, big tech companies like Google, and even government and military research labs. They can get involved with lots of different projects, from healthcare to space travel!

FAMOUS DISCOVERIES

AI researchers have made many amazing discoveries and creations that have changed our understanding of technology, intelligence, and what is possible. Here's just a few of the biggest and best!



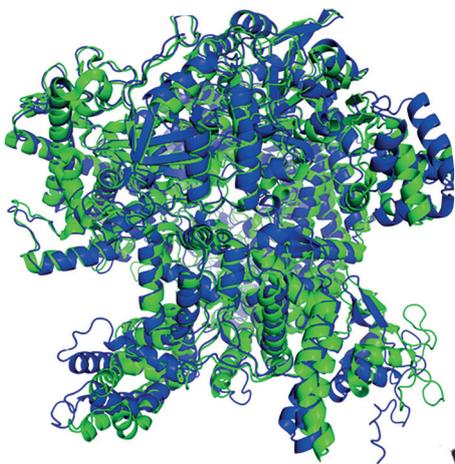
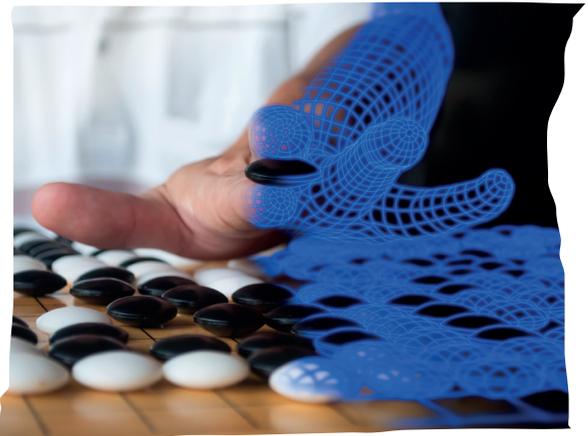
TURING TEST

The Turing Test, developed in 1950 by the British mathematician and computer scientist Alan Turing, was aimed to see if machines could show intelligent behaviour. It laid the groundwork for the whole idea of machine intelligence.



ALPHAGO

AlphaGo was an AI program that defeated the world champion of a complicated game called Go in 2016. It demonstrated that AI was capable of solving real-world problems that had high levels of uncertainty.



ALPHAFOLD

AlphaFold was an AI system that was developed in 2020. It made significant breakthroughs in biological research, helping scientists understand diseases and discover different types of medicines.



AI researchers are making discoveries all the time; who knows what they might discover next!

FAMOUS AI RESEARCHERS

There are many really clever people involved in the success of AI. Here's just a few...



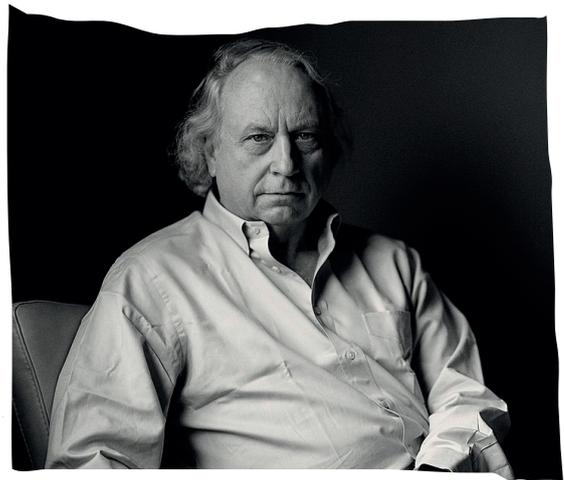
ANDREW NG

In 2023, Dr Andrew Ng was named the most influential AI expert in the world. His work is credited with changing countless lives and he has written over 200 papers in machine learning and robotics.



RODNEY BROOKS

Co-founder of iRobot, a company which produces robots that can carry out a range of tasks, from those that can vacuum the floor to those that can help the military dispose of explosives!



KATE CRAWFORD

Kate Crawford is an internationally recognized and award-winning scholar of AI. Her work focuses on the impact that AI has on the environment, people's work prospects, and the political world.



These are just a few of the many AI researchers who have made a huge difference to the science.

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