

Significant People in the History of Computing



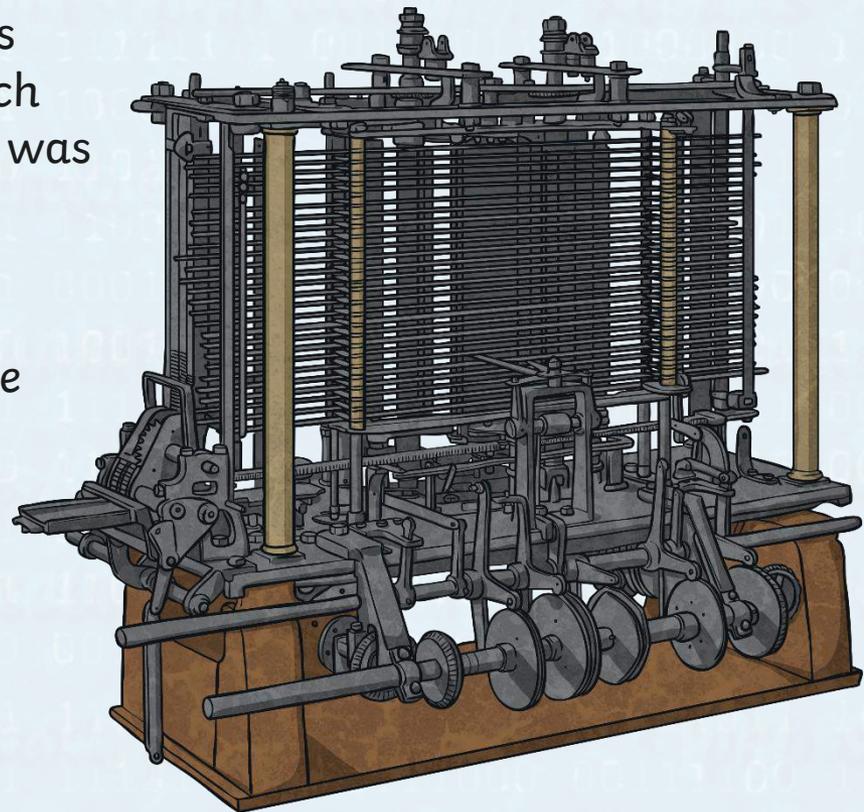
Charles Babbage and Ada Lovelace

(1791-1871)

(1815-1852)

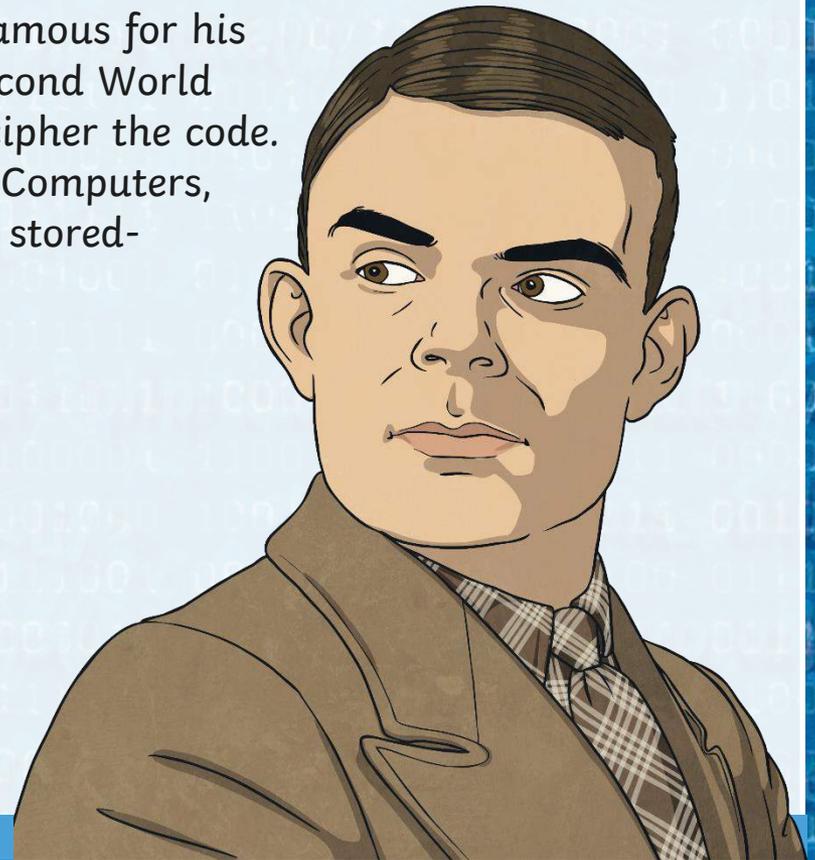
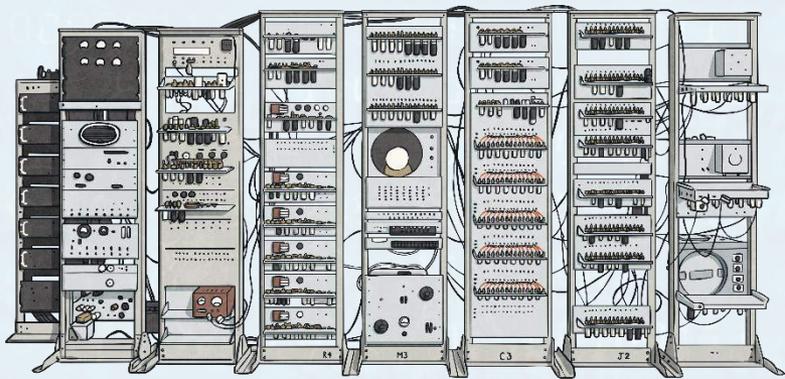
Charles Babbage first described his 'analytical engine' in 1837 on which he and Ada Lovelace worked. This was after already working on the 'difference engine'.

Both were mathematicians and the engine would do various mathematical calculations.



Alan Turing (1912-1954)

Alan Turing, an English mathematician, is famous for his work on cracking the Enigma Code in the Second World War. He actually invented a computer to decipher the code. After the war, he worked on the Manchester Computers, including the Manchester Baby (world's first stored-program computer).



Hedy Lamarr (1914-2000)

Not just a successful Hollywood actress but also an inventor with a love of science.

She was named 'the most beautiful woman in the world' by MGM Studios but she said, "*Any girl can be glamorous. All you have to do is stand still and look stupid.*"

She invented the technology that has enabled us to have Wi-Fi and Bluetooth today. It was called her 'secret communication system' and was invented for use in the Second World War by the US Navy to control missiles without others detecting it.



Jack Kilby and Robert Noyce

(1923-2005)

(1927-1990)

In 1959, while Americans Jack Kilby and Robert Noyce were working for a technology company called Texas Instruments, they patented the pioneering technology that would go on to create the microchip.

A microchip is the miniature technology that not only revolutionised computers but many other devices too, as devices were able to be much smaller than ever before.

Jack was awarded the Nobel Prize in Physics in 2000 and Robert was known as the Mayor of Silicon Valley. Silicon Valley was named after the microchip (silicon chip) and is the name given to the area of California which is the centre for technology and innovation.



Grace Hopper (1906-1992)

She was a rear admiral in the United States Navy but she was also a pioneering computer scientist.

She coined the term 'bug' to mean unexplained things going wrong in computing when a moth got into one of the computers she was working on.

She invented the first computer language.

Named as 'Computer Science Man of the Year' in 1969. She was clearly a woman but no one at that time expected a woman to win the prize!

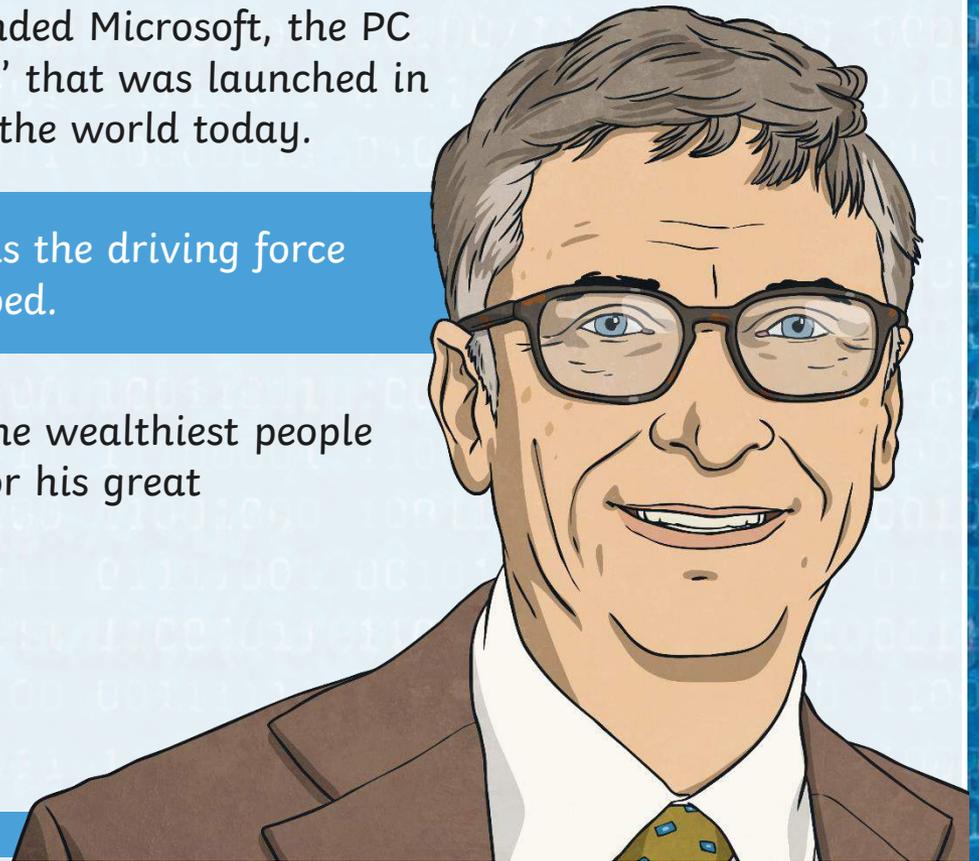


Bill Gates (1955-today)

In 1975, American Bill Gates co-founded Microsoft, the PC software company behind 'Windows' that was launched in 1985 and used on computers across the world today.

From 1975 until 2006, Bill Gates was the driving force behind Microsoft and how it developed.

Since 1987, he has been on lists of the wealthiest people in the world but he is also known for his great philanthropy (love of humanity).

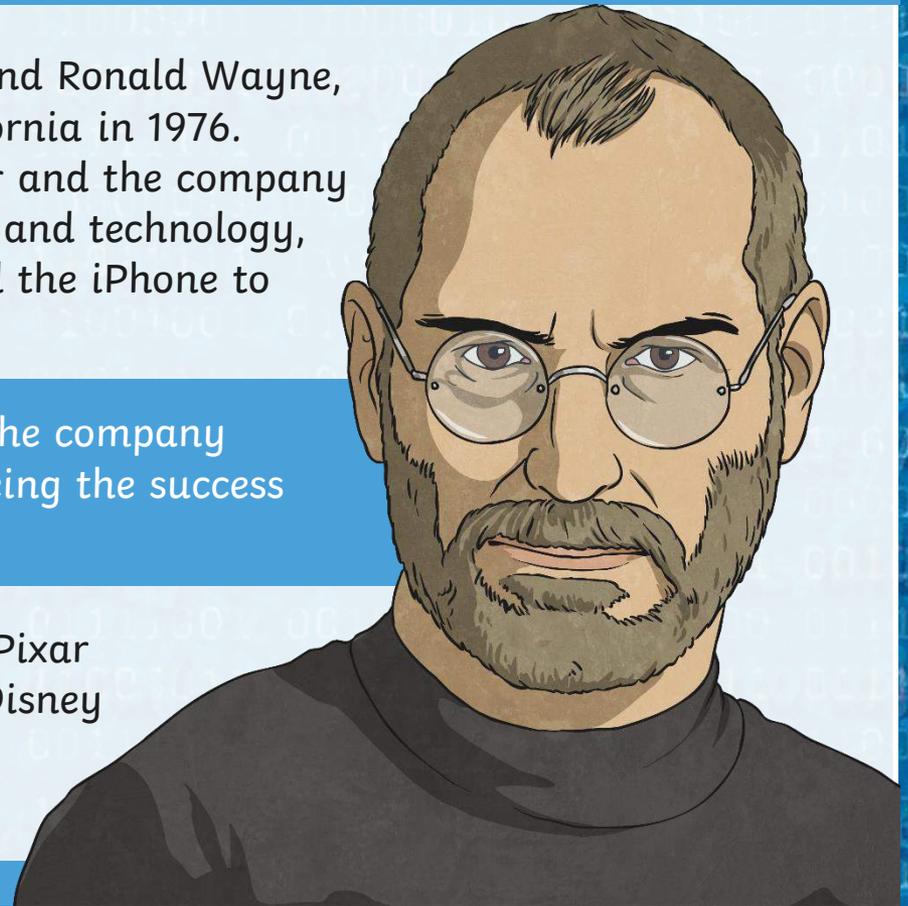


Steve Jobs (1955-2011)

Steve Jobs, along with Steve Wozniak and Ronald Wayne, founded Apple Inc. in a garage in California in 1976. This was the home of the Mac computer and the company is now a worldwide giant in computers and technology, being the company behind the iPad and the iPhone to name but a few.

Steve Wozniak and Ronald Wayne left the company early, leaving Steve Jobs to lead it to being the success it became.

Steve Jobs also owned a large share of Pixar Animations and was also on the Walt Disney Board of Directors.



Clive Sinclair (1940-today)

Clive Sinclair is an inventor and entrepreneur who invented the pocket calculator and famously, in the 1980s, the ZX Spectrum computer and the Sinclair C5 electric vehicle.



Tim Berners-Lee (1955-Today)

This English man, in 1989, invented the World Wide Web (where the initials 'www' come from).

He first started to develop it in 1980 when he worked at CERN (where the Large Hadron Collider is now).

In August 1991, he created the world's first website that explained what the World Wide Web was. Its web address is: <http://info.cern.ch> and you can still look at it today!



Mark Zuckerberg (1984-today)

While in his room at Harvard University in America in 2004, Mark Zuckerberg created a place on the Internet for students to link with each other. This has since turned into the giant that is Facebook today.

By 2012, Facebook had a billion users and, in 2016, he was listed in the top ten most powerful people in the world!

After initially earning a huge amount of money, he now gets paid \$1 a year from his company.



Who'll Be Next

Could it be you?



