The future of jobs
in computer science

smart life

From your smartphone to your smart speakers, your **Fitbit** to your **Xbox**, computer science is behind all the technology that fills our daily lives – studying it will equip you for the jobs of the future.
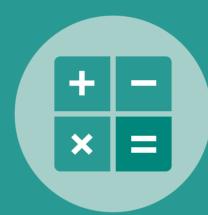
Subject skills:

| Creativity | Data analysis | Numeracy | Problem solving | Programming |

IT & THE INTERNET › BIG DATA SPECIALIST

- You'll analyse and work with large, complex data sets to support decision making, identify new trends and improve performance.
- By 2022, 85% of companies are expected to have adopted "big data analytics", giving them an insight into relevant industry trends.
- Data analysts are already in high demand. This will increase by 33% by 2024, with data analysis a major skill in the economy of 2030.

Subject skill

Data analysis: You'll manipulate data to draw useful insights which you can share to improve the organisation's performance.

ART & DESIGN › HUMAN-MACHINE INTERACTION DESIGNER

- You'll be the bridge between new technology and its human users, designing new systems that are easy to use and engaging.
- As automation and Artificial Intelligence improve, over one-third of businesses are predicted to adopt robots of some kind by 2022.
- IT systems analysts and designers are in demand in the UK, with jobs in this area expected to grow by 5.9% to 2027.

Subject skill

Creativity: You'll experiment with different ideas to find the best systems to aid interactions between people and technology.

Test and trace

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How will the most popular industries for computer science graduates change?

Information technology › In 2002, 5% of jobs had high levels of digitisation, rising to a quarter in 2016.

Business, HR and finance › Algorithms will replace many middle managers over the coming decade.

Arts, design and media › Computer science is central to the development of apps like Netflix and iPlayer.

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