

WHY DO WE NEED CYBER SECURITY EXPERTS?

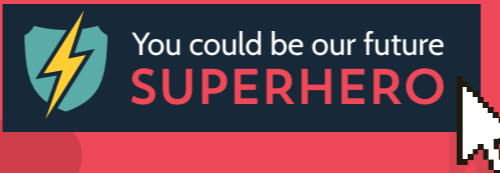


You've seen movies and TV shows where tech-savvy criminals hack into government or business security systems. It's not fiction – hackers regularly steal confidential information and data from governments and companies.



In 2020, Nintendo, Twitter, Easy Jet and Manchester United were all hacked. And so were parts of the UK's National Health Service. Millions of names, emails, phone numbers and passwords end up in the hands of criminals.

That's why employers are calling out for people with cyber security skills. And in the future they'll be looking out for even more – giving you lots of opportunities to play a vital role in cyber crime.



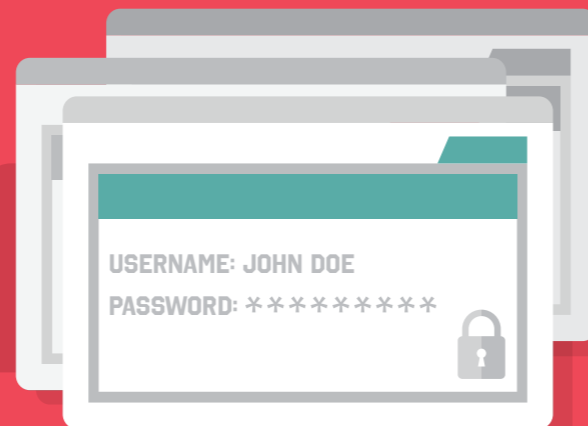
FIND A ROLE FOR YOU

Interested in a technical job?

Here are a few of the jobs you could do:

- penetration testing
- cyber incident response
- malware reverse engineering
- network monitoring and intrusion
- security architecture.

People working in these roles all work together to win the fight against cyber crime.



And it's not just for techies...

The world of cyber security has career opportunities for people with a whole range of non technical skills. These include:

- team working and collaboration
- communication
- organisation
- problem solving.

These could help you get jobs in lots of different areas including law and regulations, digital forensics, project management or recruitment.



YOU COULD BE OUR
FUTURE SUPERHERO

CYBER CRIME

Want to learn more about the cyber security industry, job opportunities and qualifications?

Visit digitalworld.net

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Digital World is an initiative to promote careers in the digital technology industry. It has been developed by Scotland's digital technologies sector and Skills Development Scotland.

CYBER SECURITY: FACTS AND FIGURES

WORLDWIDE POSSIBILITIES

15% RISE

UK companies create and sell cyber security software and services worldwide, and this is growing by 15% a year. A career in cyber security could be your passport to success around the world.¹



INCREASE IN ATTACKS

1,000%

The increase in the number of attacks in just 18 months. Companies in the UK are fighting against hundreds of thousands of cyber attacks every day.³



CYBER CRIME

£6 TRILLION

The estimated amount that online crime will cost businesses over the next five years.²



EXCITING CAREERS IN SCOTLAND

100,000+

The number of people employed in digital technology in Scotland... and around 1,500 of them are in cyber security. Scotland needs more cyber security experts.



HACKING

£4.6 BILLION

The figure UK internet users have lost from online fraud and hacking.⁵



WELL PAID JOBS

£54,900

The average Scottish salary in 2019 in the cyber security industry⁴... nearly double the Scottish average of £29,200



GET YOUR CAREER OFF TO A GREAT START

A computing science qualification can be an advantage if you're thinking about a career in cyber security, but it's not essential. There are plenty of options and you'll find career opportunities in cyber security at a variety of levels.

Apprenticeships

An apprenticeship could help you kick start your cyber security career. You'll work towards recognised qualifications and gain valuable work experience at the same time.

- ✓ **Foundation Apprenticeships** can give a taste of the tech industry in S5 and S6. You'll get time out of the classroom and get to work on real projects at college and with employers.
- ✓ **Modern Apprenticeships** let you get started in a cyber security career straight from school where you work, learn and earn a salary at the same time.
- ✓ **Graduate Apprenticeships** allow you to study for a degree level qualification while working in a related job and getting paid.

For more information and live opportunities, visit apprenticeships.scot

College and university

There are lots of cyber security related courses available at Scotland's colleges and universities with progression up to Bachelor and Master degree level.



Explore your options with the course search tool on myworldofwork.co.uk

¹ www.gov.uk/government/statistics/uk-defence-and-security-export-figures-2013
www.gov.uk/government/statistics/uk-defence-and-security-export-figures-2014

² www.juniperresearch.com/press/press-releases/cybercrime-to-cost-global-business-over-58-trn
³ www.thetimes.co.uk/article/davos-bt-chief-warns-of-huge-rise-in-cyberattacks-qw19lx8xk60

⁴ Cyber security skills in the UK labour market 2020 report
⁵ 2017 Norton Cyber Security Insights Report