

# COMPUTING AND DIGITAL TECHNOLOGY MINI LECTURES

## **Careers in computing and digital technology: the path for you**

Computing and Digital Tech is one of the most important emerging areas of the economy. It's also one of the fastest growing and quickest to change. We will take your students through the careers available and how to get there.

## **AI and Industry 4.0**

AI was the future, now it's the present. Many services provided by technology giants such as Google, Microsoft, IBM, Facebook, and Amazon are powered by Data Science, Machine Learning and Artificial Intelligence. This lecture explores the how recent advances in these subjects have already led to significant industrial applications such as Industry 4.0.

## **Defending against cyber attacks**

You don't need to look far to see examples of the importance of Cyber Security. A quick glance at the news shows us ransomware, DOS attacks, and all other manner of cyber threats exploiting the security flaws in wireless networks and our computers. This lecture is for anyone who wants to find out more and understand how the internet works.

## **Digital forensics vs cybercrime**

An ever-more complex battle is raging in law enforcement. The fight against cybercrime relies on forensics experts to analyse digital evidence and bring criminals to justice. This interactive demonstration explores how digital devices are used by criminals as well as the techniques forensic experts use to expose them.



## How games are changing the world

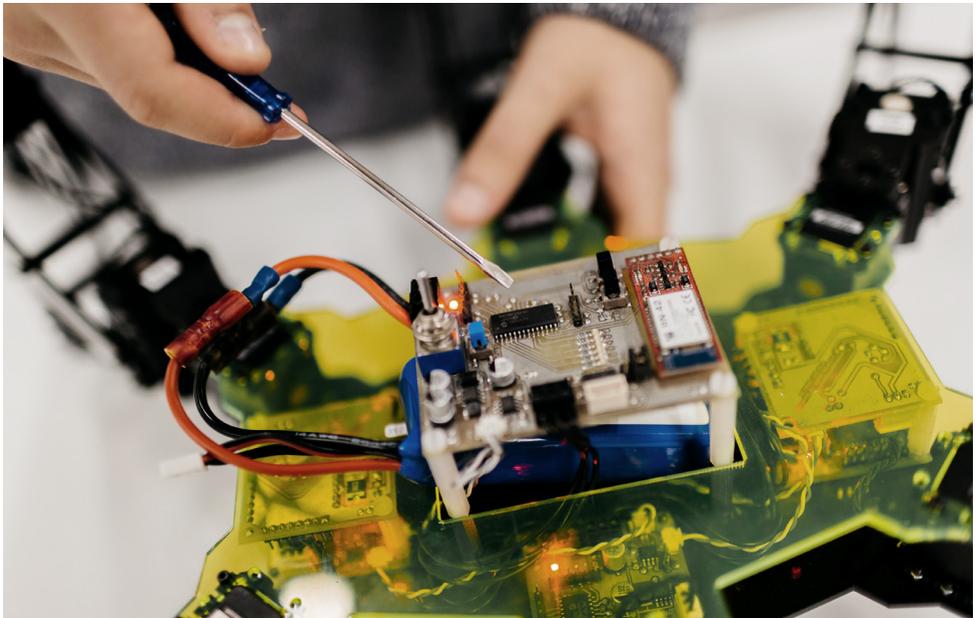
Video games are now bigger than music and movies combined. The field is heavily influencing every industry and as such impacting the future and changing the world. This session explores this influence and how to become part of this exciting industry.

## Making the impossible possible

Behind the magic of TV, film, and video games are a team of visual effects (VFX) experts making the seemingly totally impossible completely possible. Take our introduction to VFX delivered by staff with extensive experience, including franchises such as Harry Potter, Marvel, and The Chronicles of Narnia.

## The secrets of user interface

On the internet, who decided that stories go at the top? That options go down the left? That your basket to checkout is in the top right? Designing an effective user experience (UX) means understanding the unwritten codes of interface design. This lecture helps students crack the code; the internet will never look the same again.



Session dates are negotiable. For further information or to book, please get in touch [here](#)