Careers Department

#THE FUTURE IS BRIGHT

Where can studying COMPUTER SCIENCE take you?

Games Developer

Games Developers take the Video Game Designers' ideas, drawings and rules and turn them into a playable game with visuals and sound through writing code. They also write code for a variety of other formats, such as PC's, consoles, web browsers and mobile phones.

Key skills for video game developers are creativity, a wide-ranging knowledge of gaming trends, strong analytical frame of mind and an ability to work as part of a team.

Hardware Engineer

Computer Hardware Engineers are responsible for designing and developing computers and the computerised parts of other appliances. They are involved with the mechanical, electronic and electrical components of computers and computer systems, such as processing units, memory and storage, data cabling and switching.

Key skills for Hardware Engineers are creativity, critical-thinking, problem-solving, speaking and analytical skills.

Network Architect

A Computer Network Architect creates plans and layouts for data communication networks. They inform the organisation they work for where they might need networks and also present and explain why it would benefit the organisation to pursue them.

Key skills for Network Architects are detail orientated, analytical, excellent problem solving and communication skills. Strong time-management and team player, with extensive knowledge of various types of computer operating, security and wireless systems.

Security Analyst

A Security Analyst is someone who takes measures to protect a company's sensitive and mission-critical data, staying one step ahead of cyber attackers. They develop plans to protect computer files against unauthorized people, possible thefts, or destruction and build firewalls and encrypt data transmissions to secure confidential information as it is being received or transmitted.

Key skills for Security Analysts are an analytical ability, excellent communication, creativity, detail orientated.

Web Developer

Web Developers are responsible for designing and developing websites and website applications. Using a variety of programming languages and web technologies, web developers manage site functionality, implement application features, and integrate security measures.

Key skills for a Web Developer are strong numeracy skills, strong creative ability, attention to detail, strong communication skills, excellent problem-solving skills and a logical approach to work

Database Administrator

Database Administrators use specialised software to store and organise data. This could also involve capacity planning, installation, configuration, database design, migration, performance monitoring, security, troubleshooting, as well as backup and data recovery.

Key skills for a Database Administrator are Excellent problem-solving and analytical skills, good communication, teamwork and negotiation skills. Flexibility and adaptability and a willingness to keep up-to-date with developments in new technology.