

Immersive Career Experiences : 1 Week

The World of AI & Software

- Understand key career paths: software engineering, video game designing and the emerging worlds of AI and machine learning
- Take part in icebreaker activities to get to know your fellow students
- Learn about the blend between innovation and computer science and see how tech entrepreneurs are changing the world
- Career coaching on skills needed to become an outstanding computer scientist

Robotics

- Understand the complex ethics surrounding robotics and AI
- Assemble an educational obstacle avoidance robot in teams
- Programme your robot in teams in a line following workshop using its built-in sensors
- Use scratch-based coding or python to help your robot navigate around depending on your skill level

UI/UX & Front End-Engineering

- Become the UX designer: learn how to gather a client's requirements,
- Using Figma: Undertake a masterclass in the programme Figma, the programmers toolkit to app development
- Explore the 'front-end' (also known as client side) of software engineering
- Discover the most important software-building tools: HTML, CSS, JavaScript and more
- Web development simulation, create a full-stack project using Python & Java

Back End Engineering

- Explore the main algorithms and discover how to solve programming problems efficiently
- Get hands-on: create the back end of a full-stack project using Python
- Learn common methodologies, tips and tricks to perform better when coding
- Showcase your work from the summer experience so far and receive feedback from professionals
- Discover cybersecurity: an essential service for the security of nation states and businesses



Immersive Career Experiences : 2 Week

The Ethics of AI

- Look ahead to the future of AI and discover the potential benefits and challenges
- Understand the role of ethics and regulation in the AI industry
- Put your knowledge and imagination to the test in a debate against your peers

The Game Jam

- Explore the foundational elements of what makes a great video game, Story, game design, level creation UI/UX Design
- Develop your concept and put your ideas into action
- Discover the tools used by professionals to craft unique gameplay features
- Continue working on your game throughout the day
- Conclude the game jam with an 'alpha testing session' alongside your fellow students & awards ceremony

The Fintech Forum

- Learn about the world of financial technology and its impact on the UK techspace
- Using your UI/UX skills, in teams, devise a trading app with a unique selling point
- Work with entrepreneurs and financiers to build an app
- Demonstrate a plan for your app
- Receive feedback on your design and ideas from software engineers, bankers and entrepreneurs
- Network with other ambitious students

Assessed Activity & Graduation

- Test your skills in an industry-style assessment and receive tailored feedback on your performance
- Celebrate everything you've achieved over the course of the programme in an awards ceremony
- Receive a certificate and industry reference letter signed by professionals to highlight your experience



Immersive Career Experiences : 2 Weeks Enhanced

IMMERSIVE EXPERIENCES 2 WEEK ENHANCED

Upgrade your 2-Week Summer Experience to Enhanced and gain an extra 15 hours of exclusive time with professionals and build a professional development portfolio to kickstart your future career.

The 2-Week Enhanced option includes all the benefits and experiences of the first and second weeks, plus a weekend of extra career development opportunities and a private Gala dinner on the penultimate evening. The assessment to receive a Level 3 Award in Work Experience and UCAS points is also included.

Highlights

- Participate in a series of expert professional development and university admissions masterclasses such as CV-writing, LinkedIn & personal branding, Oxbridge & Ivy League applications
- Undertake expert psychometric testing & personality profiling to develop your self-awareness and understand your core strengths, motivations and development areas
- Compete as a team in an assessed immersive strategy game
- Attend a private Gala dinner in central London with professionals, with keynote speeches and a networking reception
- Have your work assessed to receive a Level 3 Award in Work Experience and UCAS points to add to your university application.

