Sample Summer Experience Timetable

COMPUTER SCIENCE

Week 1

Legend: ⬜ Residential Package ⬜ Programme Content 🟨 Premium Content

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
07:30 - 09:30	Residential students arrive & check-in	Breakfast				
10:00 - 10:30		Travel to venue				
10:30 - 13:00		Enter the Summer Experience — Programme welcome & networking with peers	User UI/UX & Front-End Engineering — Design a website using the industry standard software - Figma	Back End Engineering — Uncovering algorithms and debugging code	Robotics — Assemble and programme a working obstacle avoidance robot	Cybersecurity — Discover key offensive and defensive challenges in the world of cybersecurity
13:00 - 14:00		Lunch Break				
14:00 - 17:00		The World of a Computer Scientist — Discover the foundations of computer science	The App Development — Work in teams to devise your own tech startup app designs	Reinforcement Learning — Explore the world of reinforcement learning in AI	Future of Finance — Explore the future of finance & AI	Enter the world of the enigma machine — Explore the world of encyrption and ceaser cyphers
17:00 - 17:30		Travel to accommodation				
17:30 - 19:30		Dinner & Break				
19:30 - 22:00	Induction & icebreakers	Movie night	Board game café	Sports & games night	Wellness evening	Quiz night
23:00		Lights Out				

Weekend (Premium)

	Saturday	Sunday
	Breakfast	
	Immersive strategy game & workshop	Professional development coaching sessions
	Lunch Break	
	Psychometric testing & personality profiling	Expert university admissions & recruitment coaching
	Dinner & Break	
	Scavenger hunt	Crafts night
	Lights Out	

Weekend (Residential)

	Saturday	Sunday
Week 1 Residential Students Check-Out	Breakfast	
	Break - Free time	Break - Free time
	Lunch Break	
	London walking tour	Sports day at central London park
	Dinner & Break	
	Scavenger hunt	Crafts night
	Lights Out	

WEEKEND - NON-RESIDENTIAL
Break - No Programmes

Week 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
07:30 - 09:30	Breakfast					
10:00 - 10:30	Travel to venue					
10:30 - 13:00	Enter the Mo-Cap Studio — Visit a state of the art motion capture studio in London	Enter the Game Jam Part I — Making a video game, UI/UX, level design, build and test your own gam	Enter the Game Jam Part II — Making a video game, UI/UX, level design, build and test your own game	Enter the Fintech Forum — App creation and pitching within the financial technology space	Career Coaching — Expert coaching on breaking into computer science, gaming or robotics	2-Week Residential students check-out & depart
13:00 - 14:00	Lunch Break					
14:00 - 17:00	3D Modelling with Blender — Undertake a Blender masterclass, a 3D modelling software	Continued	Continued	Continued	Awards & Graduation Ceremony — Closing speeches & certificates	
17:00 - 17:30	Travel to accommodation					
17:30 - 19:30	Dinner & Break					
19:30 - 22:00	Film night	Sports & games night	Wellness evening	Karaoke night	Prom	
23:00	Lights Out					
17:30 - 21:00			Gala dinner with professionals			

The World of Computer Scientists
- Understand the key career paths in computer science: 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 it's built in sensors
- Use scratch based coding or python to help your robot navigate around depending on your skill level

UX and UI
- 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
- Undertake in introduction to video game design
- Showcase your work from the summer experience so far and receive feedback from professionals

Programming+
- Tips, tricks & methodologies when debugging code: Debug an existing video game and undertake an introduction to Github
- QA testing: Explore and understand an essential part of the software development life cycle. ensuring an organisation's product is as high-quality as possible

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 World of Cyber Security
- Discover cybersecurity: an essential service for the security of nation states and businesses
- Network Security and Hardware:
- Analyse different hardware and the key parts elements of a network
- Work in teams to design the most efficient network for an international company, Perform an in-depth analysis to identify all possible vulnerabilities in a company's system
- Engage in a team simulation attacking and defending a system

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

Immersive Career Experiences : 2 Week Premium

Premium

The Two-Week Premium option includes all the benefits of the first and second weeks plus exclusive evening and weekend excursions and extra career development opportunities. Continue your professional immersion beyond the core programme hours and embark on a London adventure where business meets pleasure.

Highlights

• Attend a private Gala dinner with top professionals on the river Thames
• Build a stand-out CV and LinkedIn profile, inclusive of professional headshots
• Understand your cores strengths and development areas through psychometric testing and personality profiling
• Develop key strategy, teamwork and leadership skills at an escape room
• Be coached by professional athletes and politicians on what it means to be at the top of your game
• PLUS many more unique experiences