

Computing Subject Group Course Talks

Foundation Computing

HNC Data Analyst

HNC Cyber-Security Technologist

HNC Network Engineer

BSc (Hons) Computing

BSc (Hons) Software Engineering

BSc (Hons) Cyber Security Management

BSc (Hons) Computer Systems & Network Engineering



MAKE
WAVES

CONTENT

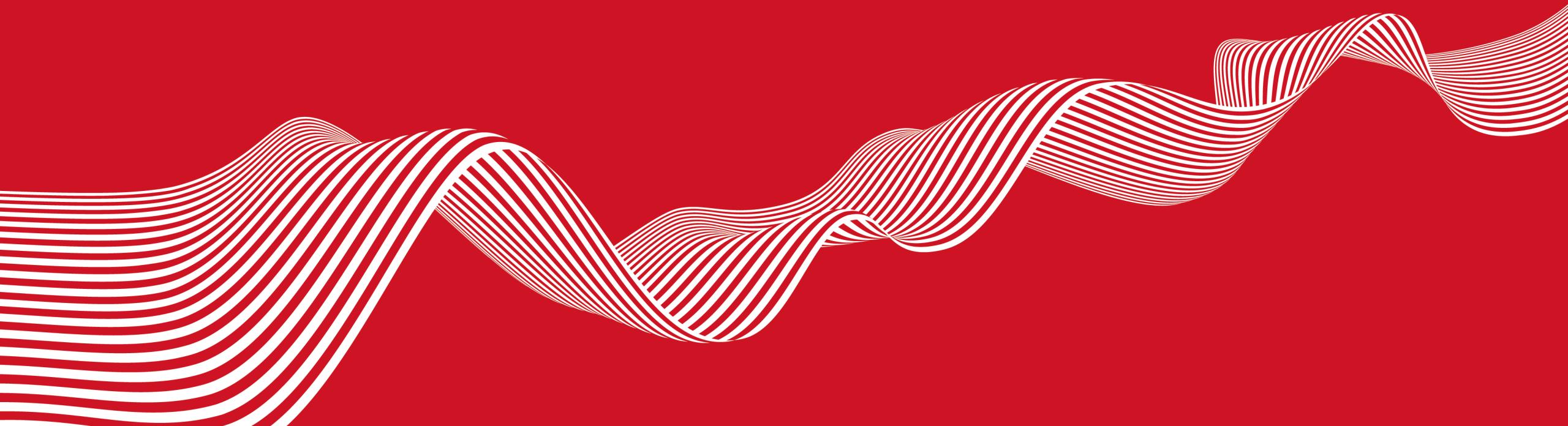
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MAKE
WAVES

A large, stylized graphic of wavy lines in shades of red and orange, resembling waves or ripples, occupies the right side of the page. It starts from the bottom left and curves upwards and outwards towards the top right.

01 | Admissions



01 | Admissions

Scholarships and Bursaries

	1 x 'A' in A-levels or Distinction at BTEC, or equivalent	2 x 'A' in A-levels or Distinction at BTEC, or equivalent	3 x 'A' in A-levels or Distinction at BTEC, or equivalent
Year 1	£250	£500	£750

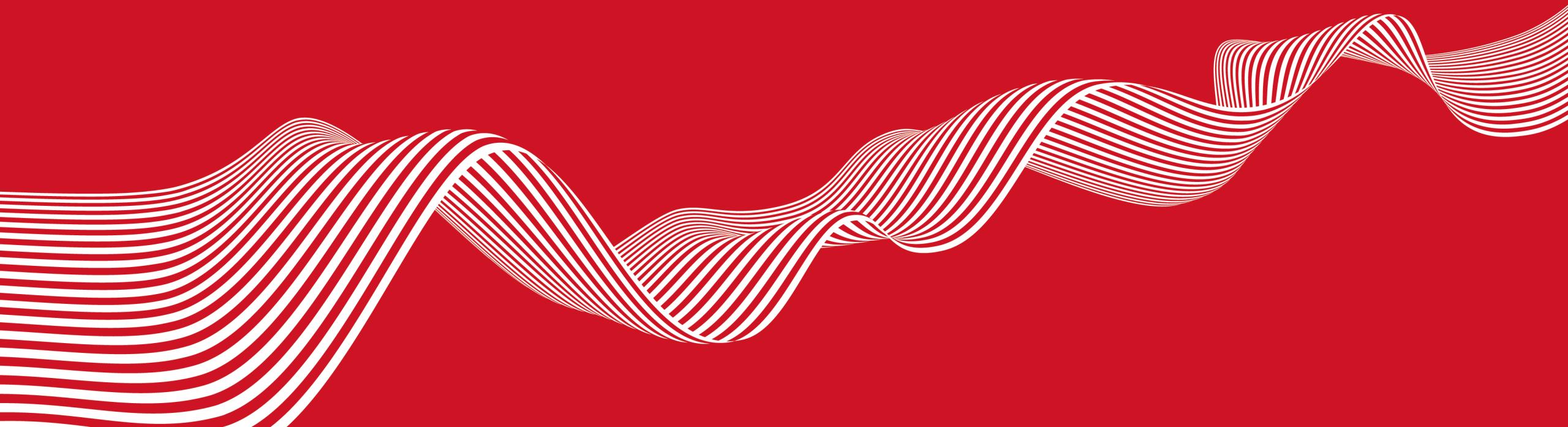
Payment in cash - payable in one instalment in December.

Academic Merit Scholarship

- Be rewarded for excellence
- Scholarships for undergraduate, postgraduate, international, BAME, direct entrants, etc.
- Example: Undergraduate Academic Merit Scholarship

solent.ac.uk/finance/grants-bursaries-scholarships/scholarships

02 | Teaching and Learning

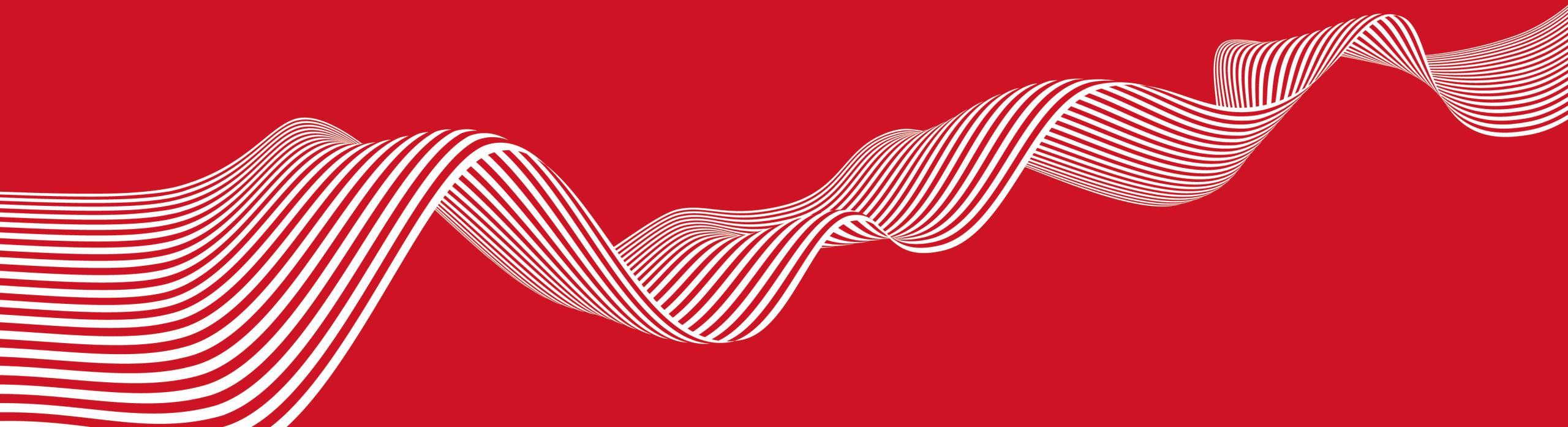


Our Teaching & Learning Approaches

- Staff are highly qualified both academically & professionally including **cisco certified trainers**.
- Most of the teaching takes place in **small groups** in Computer labs to get **hands-on practical skills**.
- Teaching in small groups allows ample of **opportunities to get individual support**
- Student-centric problem-based **active-learning** methods
- Assessment methods include **mini projects, practical tests, technical reports, group assignments, & presentations** - no formal exam



03 | Employability



“As demand for digital skills outstrips supply [...] (particularly in high level roles such as developers).”

(HM GOVERNMENT 2016, p3)

Leadership / Executive coaches
iLoveToBe/Switch
Remote
Full-time

- Coaches with some experience in a business-related sector.
- International experience, and fluency in multiple languages.

Posted 30+ days ago · More...

Project Coordinator - EY's Hive - Open to Flexible Working
EY 4.0 ★
London SE1
Part-time

- Work with the wider delivery team on ensuring that our teams continue to be high performing and have the support they need to thrive.

Posted 5 days ago · More...

2023 AI & Data Science Analyst Program - Summer Internship
JPMorgan Chase Bank, N.A. 3.8 ★
London
Full-time

- Full-time employment offers may be extended upon successful completion of the program.
- Our areas of focus include Big Data Analytics, Deep Learning,...

Posted 4 days ago · More...

AI/ML - Placement Year Intern (Software Engineering),
Siri U...
Apple 4.1 ★
Cambridge
Full-time

- Designing beautiful and accessible user interfaces for web and mobile apps.
- Drawing up wireframes and user flows, and creating interactive prototypes to test them with target users.

Posted 26 days ago · From digital designer

2023 AI & Data Science Analyst Program - Summer Internship
JPMorgan Chase Bank, N.A. 4.5 ★ 8,749 reviews
London
Full-time
You must create an Indeed account before continuing to the company website to apply

Apply on company site

Job details
Job type
Full-time

Full Job Description

What to expect

Our 9 Week Summer Internship Program begins in June. Your project will be to support the delivery of a range of projects throughout the internship program via project work related to our speaker series with senior leaders and more. Full-time employment is offered upon completion of the program.

Our areas of focus include Big Data Analytics, Deep Learning, Speech/Voice Analytics, Time Series, Computer Vision, Cryptocurrency...

About You

Our team of global experts is always working to keep us a step ahead. We're looking for someone who is thinking like yours-to design, build, deploy and run tomorrow's technology today. You will be:

- Pursuing a Bachelor's or Master's degree program with an expected graduation of January 2024 - Diploma in Computer Science or related field.
- Knowledge of machine learning / data science tools and concepts.
- Experience in mathematics and statistics modeling.
- Programming experience with one or more of Python, Java, C/C++, C#, Go, etc.
- Strong communication skills and the ability to work in a fast-paced, dynamic environment.

Join us

At JPMorgan Chase, we're creating positive change. We're looking for individuals who are innovative, curious and ready to make an impact. We offer a range of opportunities for growth and development, including mentorship, training, and networking.

Application Deadline

Salary: £40,000.00-£100,000.00 per year

Schedule:

- Monday to Friday

Experience:

- DevOps: 1 year (required)

Work Location: Remote

To be successful in this role you must be eligible to...
Posted 30+ days ago · More...

1st Line Support Engineer (Nights)
Razorblue Group
Remote in Catterick Garrison

£25,000 - £28,000 a year
Permanent +2
12 hour shift +2

- Basic network troubleshooting incl. ping and trace route.
- Follow guidelines and applies basic product knowledge to resolve user network and system issues.

Posted 9 days ago

Network Engineer
BAE Systems 3.8 ★
Christchurch

Up to £50,500 a year

- Production of technical network documentation and drawings.
- Developing an understanding of existing commercial, military networks and communications; Innovate...

Posted 30+ days ago

Trainee Cabling Installer
Finevalley Communications
Covent Garden

£14 an hour
Full-time
Weekend availability +2

Easily apply
Hiring multiple candidates

- You will be trained by experienced engineers on-the-job.
- Our designers and engineers are qualified to BSc RCDD (Registered Communications Distribution)...

Active 3 days ago

Junior Engineer
BAE Systems 3.8 ★
Christchurch

Up to £50,500 a year
Degree with honours in 2024

Monday to Friday

A little about you...

- Keen to have ownership of your own development.
- Always looking for opportunities to innovate new areas in the industry.
- Interested in fixing bugs and working with our customers to improve our web applications.
- BSc in Computer Science, Mathematics or similar.
- Will develop new and existing integrations with other leading platforms.
- Excited to help drive innovation, offer new ideas and think up new ways of tackling problems!

Preferred Skills and Experience:



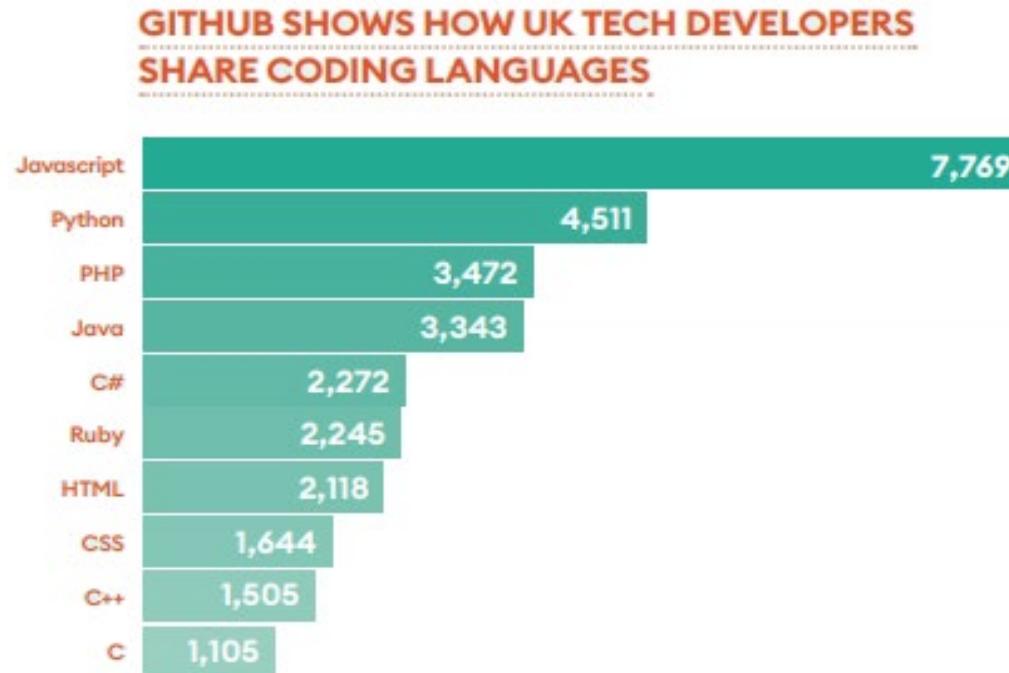
Growth in number of advertised job vacancies by proportion of tech vacancies

Job Title	2022 Vacancies	Proportion Vacancies	2019 Vacancies	Growth since 2019
Business Analyst	26067	3.71%	3479	7.5
Data Analyst	12432	1.77%	2004	6.2
Product Manager	11981	1.70%	1479	8.1
Data Engineer	9568	1.36%	2148	4.5
Product Owner	5243	0.75%	852	6.2

05 | Employability

Skills, technologies and opportunities

- We cover the major technologies and skills and provide opportunities to help our students develop.



SOLENT PLACEMENT AND GRADUATE FAIR



FREE LINKEDIN
PHOTO BOOTH



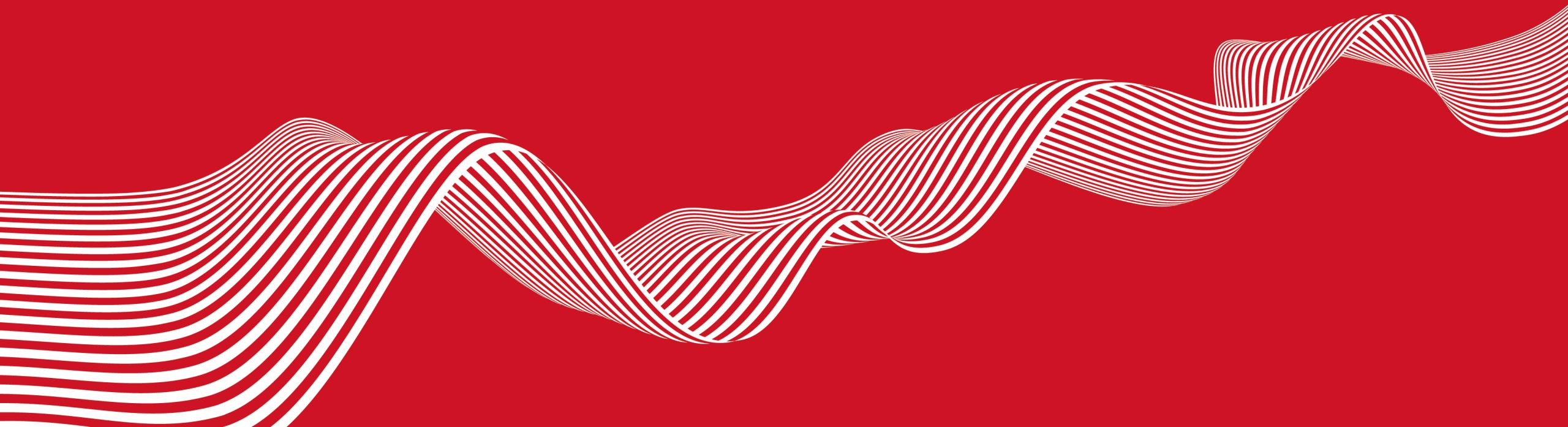
MEET OVER 70
EMPLOYERS



CV CHECKS
BY EMPLOYERS



04 | Contact & Delivery



04 | Delivery & Contact Time

2x Semesters (Sept- Jan & Jan-May)

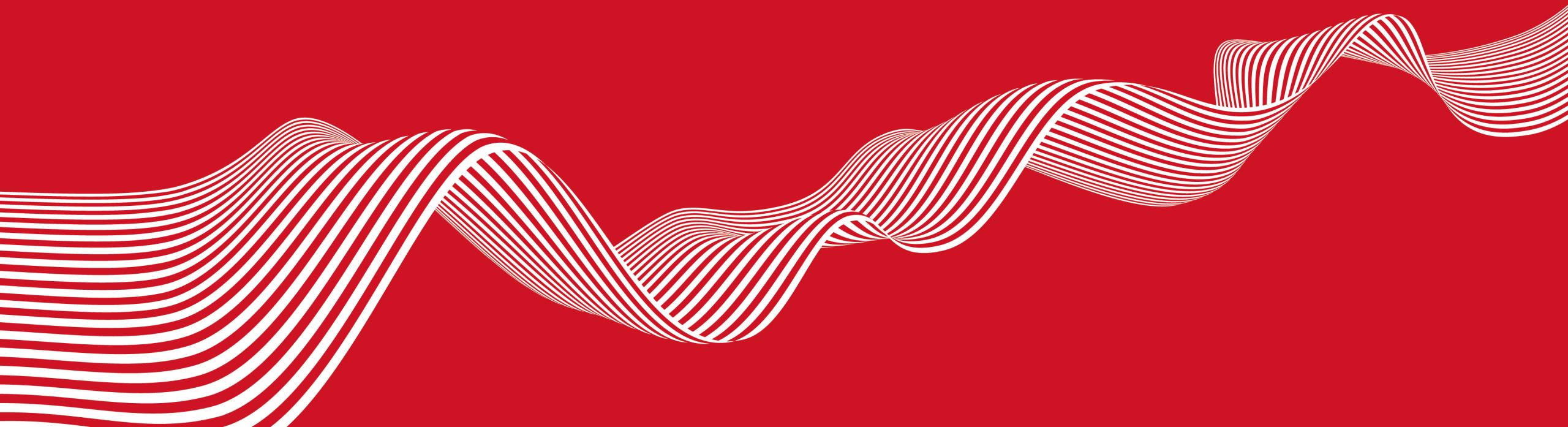
12 weeks of teaching plus
assessment weeks

3x Modules each Semester

Teaching contact time **12 hours**
per week (approx.)



05 | Courses



05 | Our Courses

Foundation Computing (Level 3)

HNC Data Analyst (Level 4)

HNC Cyber-Security Technologist (Level 4)

HNC Network Engineer (Level 4)

BSc (Hons) Computing

BSc (Hons) Software Engineering

BSc (Hons) Cyber Security Management

BSc (Hons) Computer Systems & Network Engineering

05 | Our Courses - Foundation Computing



Core Module

Structure – Full Time study

Year 0– Level 3

Winter: Sep-Jan

Foundation Computing
20 CATS

Foundation Mathematics
20 CATS

Group Technology Project
20 CATS

Spring: Jan - June

Digital Media Technologies
20 CATS

Problem Solving
20 CATS

Individual Degree Related Project
20 CATS

UCAS points: 48

05 | Our Courses - Computing

Period 1

Level 4

UX (20 CATS)	Introduction to Networking & Security (20 CATS)	Problem Solving through Programming (20 CATS)
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Period 2

UCAS points:112-128

Introduction to Databases (20 CATS)	Data Analysis Tools and Application (20 CATS)	Web Technologies (20 CATS)
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Level 5

Advanced Database Systems (20 CATS)	Object Oriented Development (20 CATS)	Analytics & Business Intelligence (20 CATS)
Research Methods Project (20 CATS)	Human Computer Interaction (20 CATS)	Web Application Development (20 CATS)

Level 6

Option Unit 1: Choose from available (20 CATS)	Option Unit 2: Choose from available (20 CATS)	Data Science (20 CATS)
Industrial Consulting Project (20 CATS)		Dissertation Project (40 CATS)

Level 6 options - choose 2 from:

- DevOps,
- Contemporary Web Applications,
- Immersive Technologies
- UX Strategies

solent.ac.uk/courses/undergraduate/computing-bsc

05 | Our Courses - Software Engineering

Period 1

Level 4

Introduction to Networks and Security (20 CATS)	Data Structures, Algorithms & Mathematics (20 CATS)	Problem Solving through Programming (20 CATS)
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Period 2

Introduction to Databases (20 CATS)	Software Testing and Reliability Engineering (20 CATS)	Web Technologies (20 CATS)
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UCAS points: 112-128

Level 5

Introduction to AI (20 CATS)	Object Oriented (20 CATS)	Advanced Database Systems (20 CATS)		Research Methods Project (20 CATS)	Web Application Development (20 CATS)	Mobile Application Development (20 CATS)
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Level 6

Option Unit 1: Choose from available (20 CATS)	Option Unit 2: Choose from available (20 CATS)	DevOps (20 CATS)	Industrial Consulting Project (20 CATS)	Dissertation Project (40 CATS)
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Options - Choose 2 from:

- Machine Learning
- Data Science
- Mobile Development and 3D Graphics
- Immersive Technologies

solent.ac.uk/courses/undergraduate/software-engineering-bsc

05 | Our Courses - Cyber Security Management

						UCAS points:104-120
Period 1			Period 2			
Level 4						
	Network Applications (20 CATS)	Introduction to Networks and Security (20 CATS)	Problem Solving through Programming (20 CATS)			
	Introduction to Databases (20 CATS)	Routing and Switching (20 CATS)	Cyber Security Essentials (20 CATS)			
Level 5	Network Systems Automation (20 CATS)	Ethical Hacking and Pen Testing (20 CATS)	Network Implementation (20 CATS)	Research Methods Project (20 CATS)	Threat Intelligence Analysis (20 CATS)	Network Security (20 CATS)
-Level 6	Option Unit 1: Choose from available (20 CATS)	Option Unit 2: Choose from available (20 CATS)	CyberOps (20 CATS)	Industrial Consulting Project (20 CATS)	Dissertation Project (40 CATS)	Level 6 options - choose 2 from: Internet of Things Network Management Cloud Computing and Virtualisation Cybercrime and Digital Forensics

solent.ac.uk/courses/undergraduate/cyber-security-management-bsc

05 | Our Courses - Computer Systems & Network Eng

Period 1

Level 4

Network Applications (20 CATS)	Introduction to Networks and Security (20 CATS)	Problem Solving through Programming (20 CATS)
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Period 2

UCAS points:104-120

Introduction to Databases (20 CATS)	Routing and Switching (20 CATS)	Cyber Security Essentials (20 CATS)
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Level 5

Network Systems Automation (20 CATS)	Enterprise Networks (20 CATS)	Network Implementation (20 CATS)
Research Methods Project (20 CATS)	Network Engineering (20 CATS)	Network Security (20 CATS)

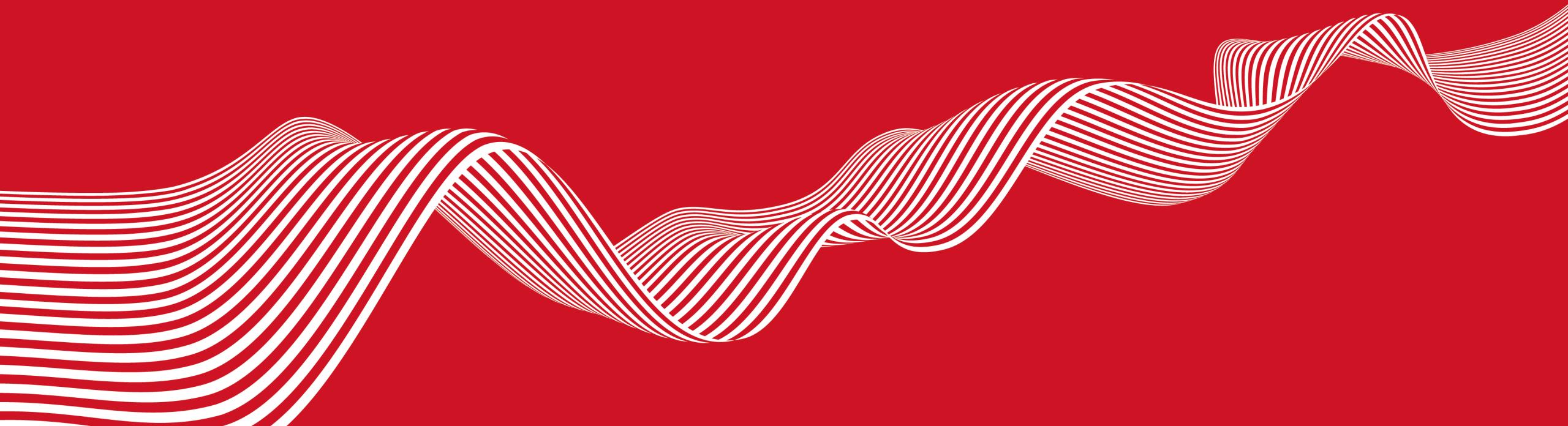
Level 6

Option Unit 1: Choose from available (20 CATS)	Option Unit 2: Choose from available (20 CATS)	Computer Systems & Architecture (20 CATS)
Industrial Consulting Project (20 CATS)		Dissertation Project (40 CATS)

Level 6 options - choose 2 from:
Internet of Things
Network Management
Cloud Computing and Virtualisation
Cyber Ops

solent.ac.uk/courses/undergraduate/computer-systems-and-networks-engineering-bsc

06 | Professional Certification

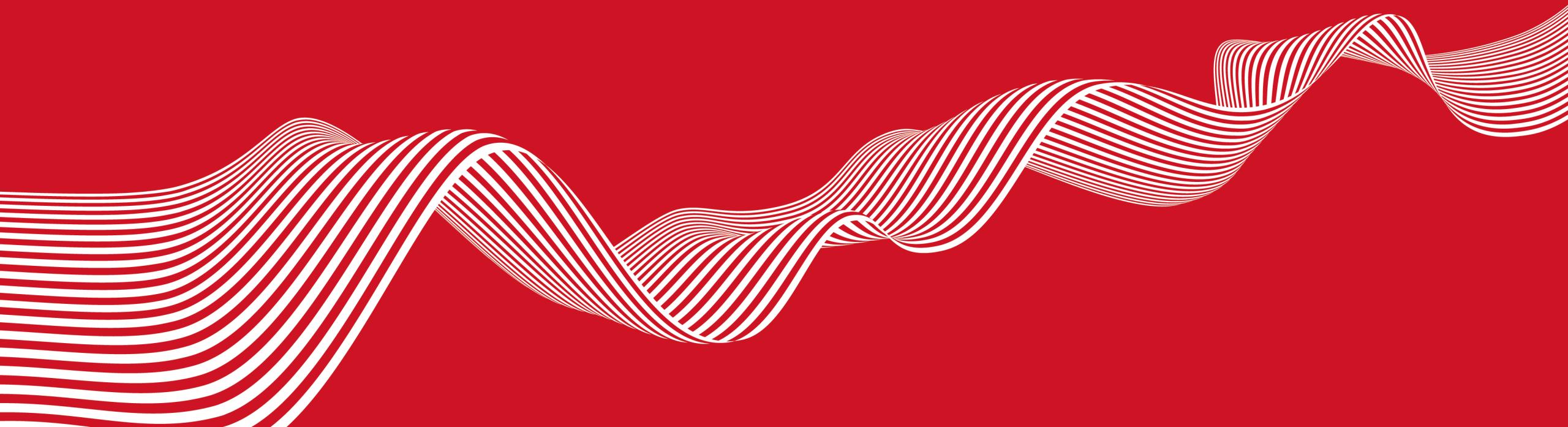


Employability Perspectives

- A practical course providing in-depth knowledge and understanding of underlying principles and the technical skills needed by the industry.
- Research-led and Industry-led curriculum.
- Cisco Networking Academy, EC-Council, and recently Partner with Juniper Networks.
- Embedded professional qualification, CCNA-RS, CCNA-Security, CEH.



07 | Placement Year



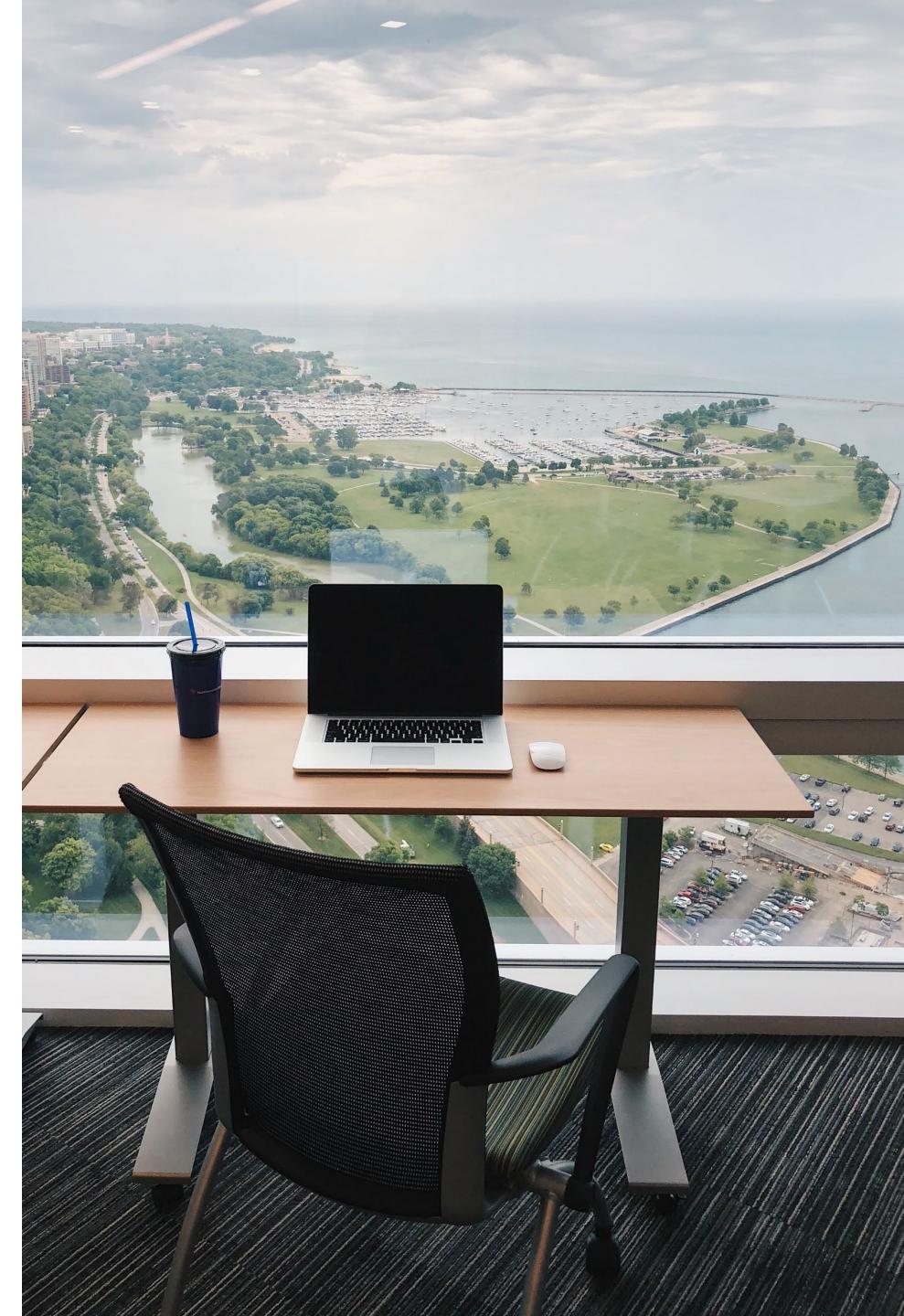
Placements (Year in Industry)

- Option available to take placement **between the 2nd & 3rd years for undergraduate & at the end of study for postgraduate.**
- **Solent Futures** dedicated to providing support, resources and guidance

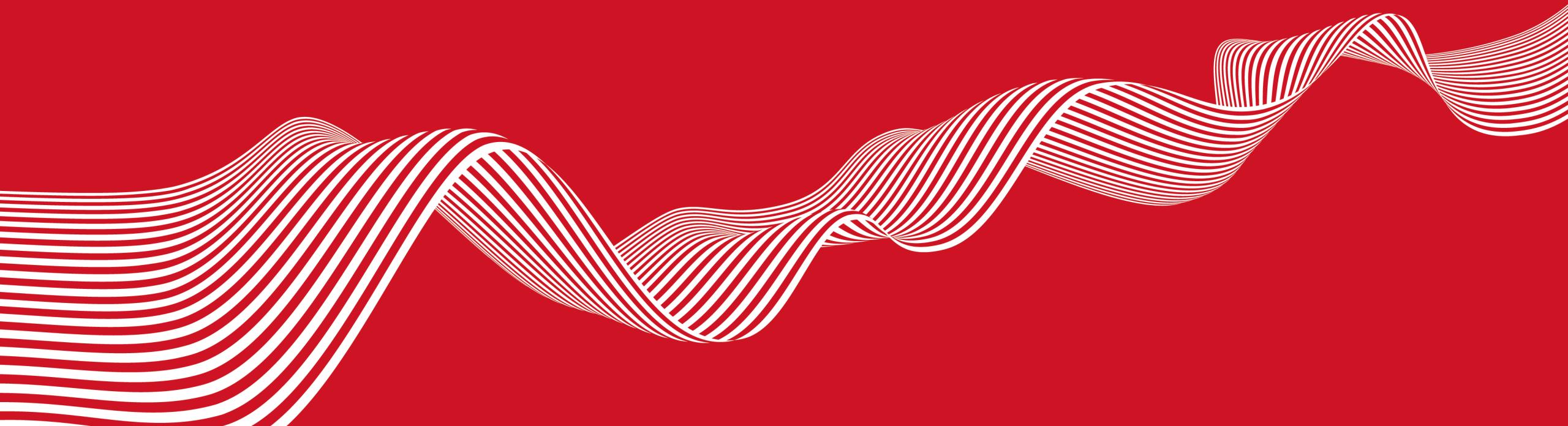
Courses offering placement:

BSc (Hons) Computing
BSc (Hons) Software Engineering
BSc (Hons) Cyber Security Management
BSc (Hons) Computer Systems & Network Engineering

MSc Computer Engineering
MSc Cyber Security Engineering
MSc Applied AI & Data Science



08 | Student Experience



Beyond Curriculum

- **Placement:** A fantastic opportunity to gain work experience in the industry - learn and earn
- Our students have done or currently doing placements at big names, like, Airbus, Cisco, Juniper and IBM.
- Students also benefit from industry visits, hackathons, guests-speakers from Industry, and Job-fairs.





WebDevSolent

4,162 Tweets



Edit profile

WebDevSolent

@WebDevSolent

Developing Digital & WebDev in Higher Ed Supporting students [@solentuni](#) to network in local digital scene. For info [@martinGreid](#)

📍 Southampton, England ⚡ martinsolent.github.io/happy_hour_202...

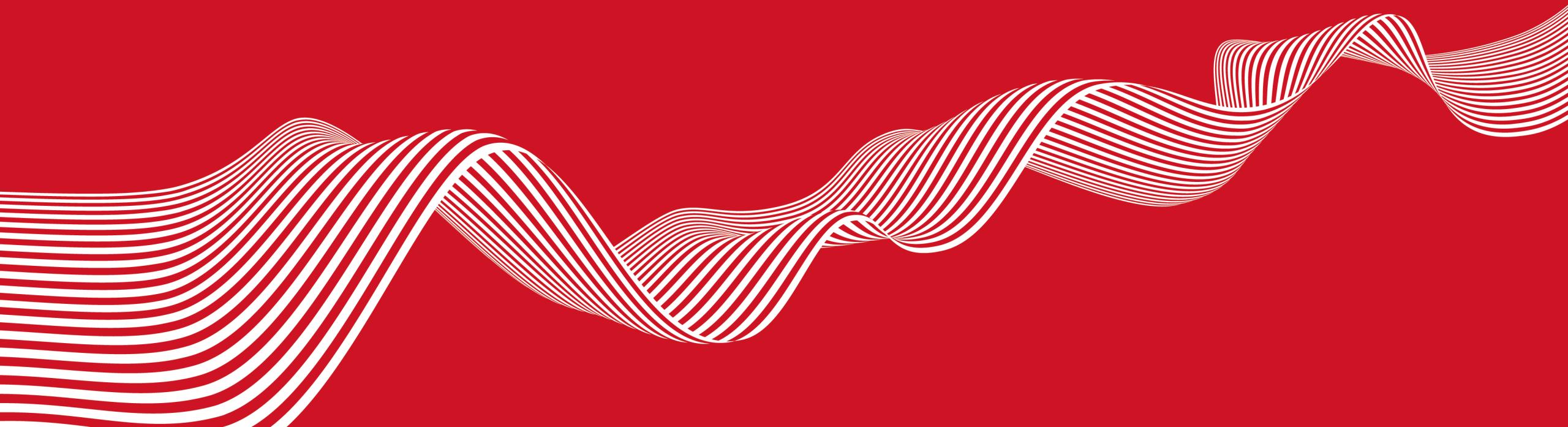
🏢 Joined November 2015

1,637 Following 763 Followers

<https://twitter.com/WebDevSolent>

09 |

Graduate Destinations



Alumni Network on LinkedIn

We have a strong Alumni community working at well-known tech companies including Juniper, Cisco, normcyber, Utilita Energy, Domo Broadcast Systems, Edifit, Gamban, Amazaon AWS, NRC Corporate,



Amy D. · 2nd
Penetration Tester
Southampton, England, United Kingdom · [Contact info](#)

 **Archie McMaster** · 1st
Network Consulting Engineer at Cisco
Greater Reading Area
Experience: Cisco, ICAAL, and 1 more



James Whale · 1st
Site Reliability Engineer at Cisco
Greater Southampton Area
Experience: Cisco, Hackathons, and 5 more



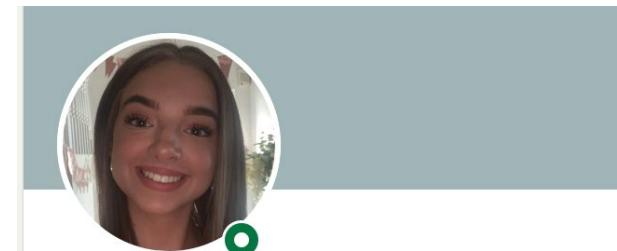
Oliver Bennett (He/Him) · 1st
IT Desktop Support Technician at University Hospitals Dorset NHS Foundation Trust



Ben Peckham · 2nd
Juniper Systems Engineering team member and all-round tech ...
United Kingdom
Experience: Juniper Networks



Dean Sanders · 1st
Senior Network Engineer and Product Owner - Cisco IT
London Area, United Kingdom · [Contact info](#)



Airen Bushby (She/Her) · 1st
Graduate Technician
Southampton, England, United Kingdom · [Contact info](#)



Benjamin Williams · 2nd
Software Engineer for Domo Broadcast Systems
Gosport
Experience: Domo Broadcast Systems (DBS), Broadcast Wireless Systems Limited, and 5 more

Success Stories

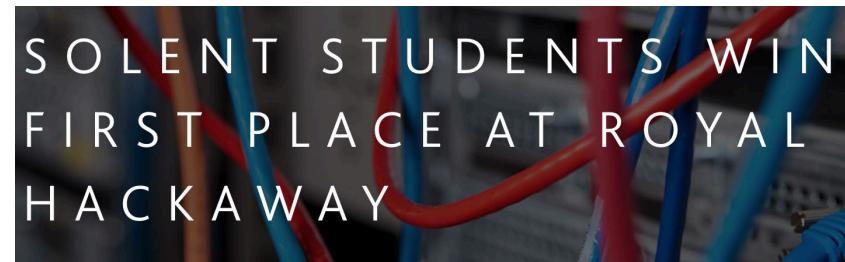
- Ben Peckham, a graduate cyber security Management (2020)



- “From a technical perspective, everything I needed for a post-grad position was provided through my course. I remember, during my first interview with Juniper, sitting in front of a whiteboard and being asked how I would design a campus network, and we had recently covered this in a lecture. Plus, presentations to the rest of my class really helped as I now present in front of customers.”

<https://www.solent.ac.uk/solent-stories/computing/ben-peckham>

- Students won first place in the Royal Hackaway Hackathon (2021) <https://www.solent.ac.uk/news/solent-students-win-first-place-at-royal-hackaway>

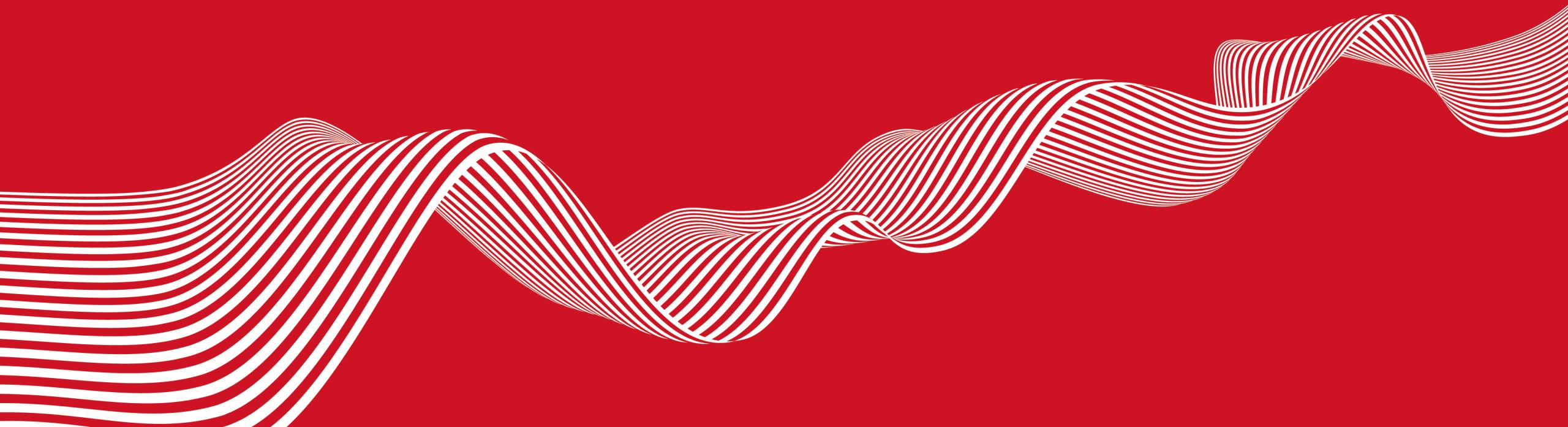




Graduate Destinations

L3Harris Technologies
Clevertouch Marketing
VaynerMedia
Bold Insight UK
Adidas
Utilita Energy
Ocean Infinity
JP Morgan Chase
Fresh Relevance
Monzo
Hampshire County Council
PayPal
Spyrosoft
Blue Frontier
IBM
Ordnance Survey
Virgin Media O2
Dyson
Steadfast Collective
McKenzie Intelligence Services Ltd
Pulselive - A Sony Sports Company Pulselive

10 | Further Guidance



BSC (HONS) COMPUTING WITH FOUNDATION YEAR

Ready to apply? ▾

VIEW COURSES →

Download PDF 

Home / Courses / BSc (Hons) Computing with Foundation Year

OVERVIEW

Do you have a passion for computing?

Are you fascinated by modern technologies?

The BSc (Hons) Computing programme focuses on the technical aspects of computing, placing a strong emphasis on programming skills. This will help you to attain the vital technical knowledge required to pursue a range of IT careers, as well as the transferable employability skills needed to secure your first role.

The Computing with Foundation Year is ideal if you are just beginning your journey into the

KEY FACTS

- **Level:** Undergraduate
- **Duration:** 4 years
- **Fees (2022/23):** £9,250 (per annum)
- **Entry requirements:** 48 UCAS points
- **English language:** IELTS 6.0 (with no less than 5.5 in each component) or equivalent, or evidence of equivalent English language qualifications

BSc (Hons) Computing

3 years

Course variant:

3 years

Entry for: 2023

UCAS code:

C001

Institution code: S30

UCAS points:

112-128

Campus:

Southampton City Centre

[View on Google Maps](#)

Apply on UCAS 

Ask a question 

[About the course](#)

[What you'll study](#)

[Fees and finance](#)

[Entry requirements](#)

[Why choose Solent](#)

BSc (Hons) Software Engineering

3 years



Course variant: 3 years

Entry for: 2023

UCAS code:

SE01

Institution code: S30

UCAS points:

112-128

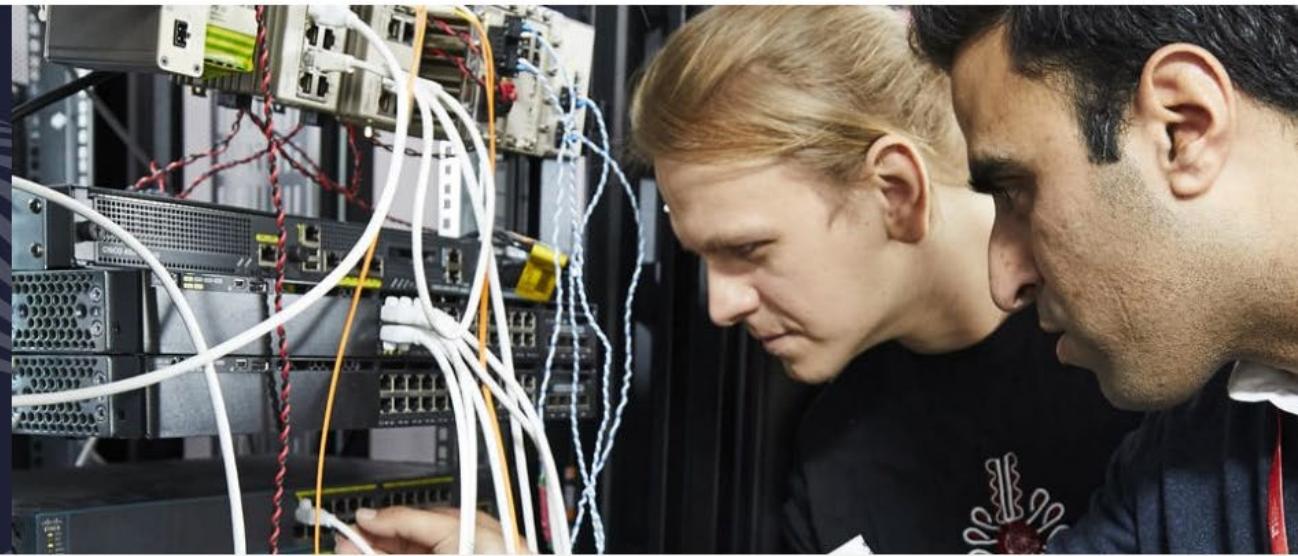
Campus:

Southampton City Centre

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BSc (Hons) Computer Systems and Networks Engineering

3 years



Course variant:

3 years

Entry for: 2023

UCAS code:

CSN1

Institution code: S30

UCAS points:

104-120

Campus:

Southampton City Centre

[View on Google Maps](#)

Apply on UCAS 

Ask a question 

About the course

What you'll study

Fees and finance

Entry requirements

Why choose Solent

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BSc (Hons) Cyber Security Management

3 years

Course variant: 3 years

Entry for: 2023

UCAS code:

CSM1

Institution code: S30

UCAS points:

104-120

Campus:

Southampton City Centre[View on Google Maps](#)**Apply on UCAS** **Ask a question** [About the course](#)[What you'll study](#)[Fees and finance](#)[Entry requirements](#)[Why choose Solent](#)

HNC

Data Analyst

1 year full-time



Entry for: 2023

UCAS points:

16

[Flexible entry options available >](#)

Campus:

Southampton City Centre

[View on Google Maps >](#)[Contact admissions !\[\]\(3c17afb3b4e2a3711c74398ab4c986e0_img.jpg\)](#)[Ask a question !\[\]\(fc56421a9367c303f1a1db2dc33bf1e8_img.jpg\)](#)[About the course](#)[What you'll study](#)[Fees and finance](#)[Entry requirements](#)[Why choose Solent](#)

Gain the problem solving skills and technical know-how to kick-start a career in the data analysis field.

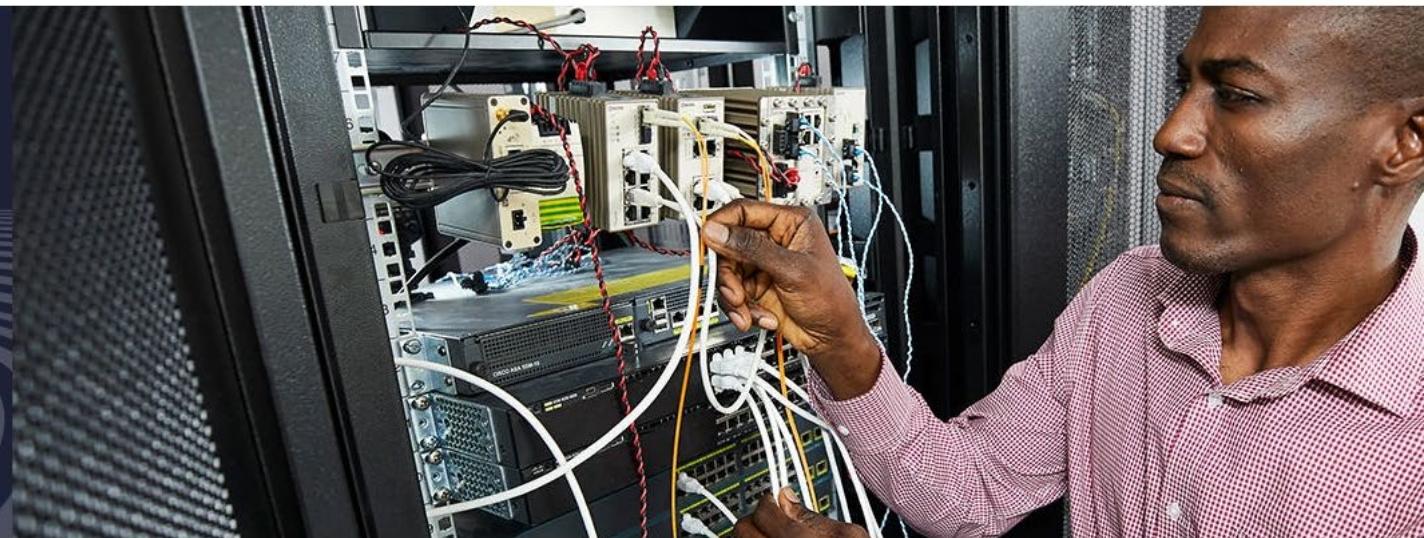
Data analysis is in high demand, with organisations increasingly requiring skilled staff to collect, analyse and interpret their data. The primary role of a data analyst is to collect, organise and study data to provide business insight. Analysts are typically involved with managing, cleansing, abstracting and aggregating data, and conducting a range of analytical studies on that data.

Why choose this course?

 Learn from an award-winning teaching team  You'll study in up-to-date 

HNC Network Engineer

1 year full-time



Entry for: 2023

UCAS points:

16

[Flexible entry options available >](#)

Campus:

Southampton City Centre

[View on Google Maps >](#)

Contact admissions 

Ask a question 

[About the course](#)

[What you'll study](#)

[Fees and finance](#)

[Entry requirements](#)

[Why choose Solent](#)

HNC

Cyber Security Technologist

1 year full-time



Entry for: 2023

UCAS points:

16

[Flexible entry options available >](#)

Campus:

Southampton City Centre

[View on Google Maps >](#)[Contact admissions >](#)

Ask a question



Thank you



Contact

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BSc (Hons) Software Engineering
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Shakeel Ahmad - Course leader for
BSc (Hons) Cyber Security Management
BSc (Hons) Computer Systems and
Network Engineering
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