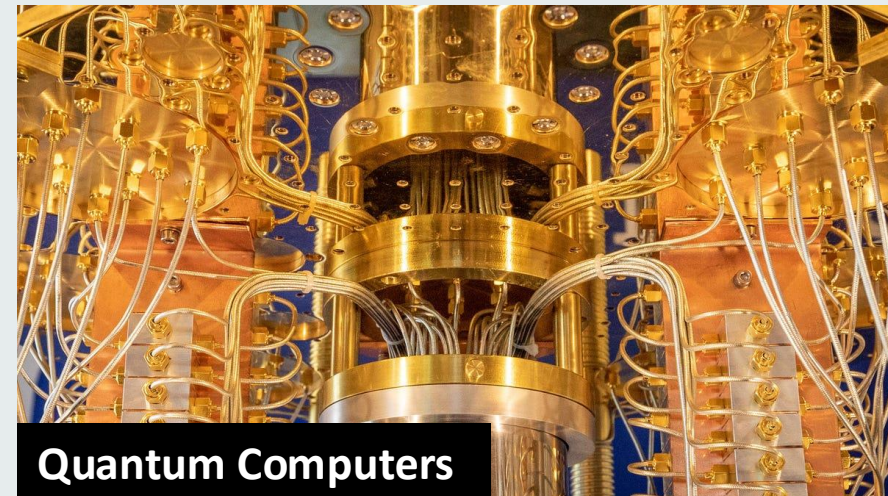
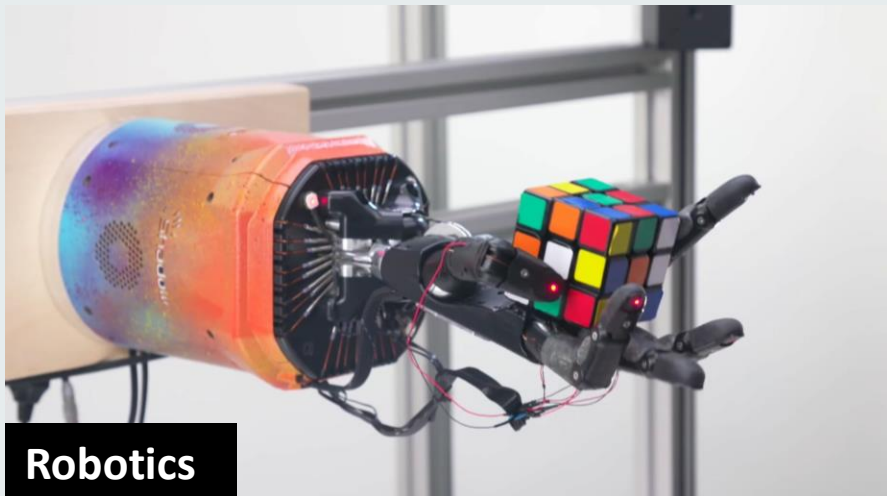
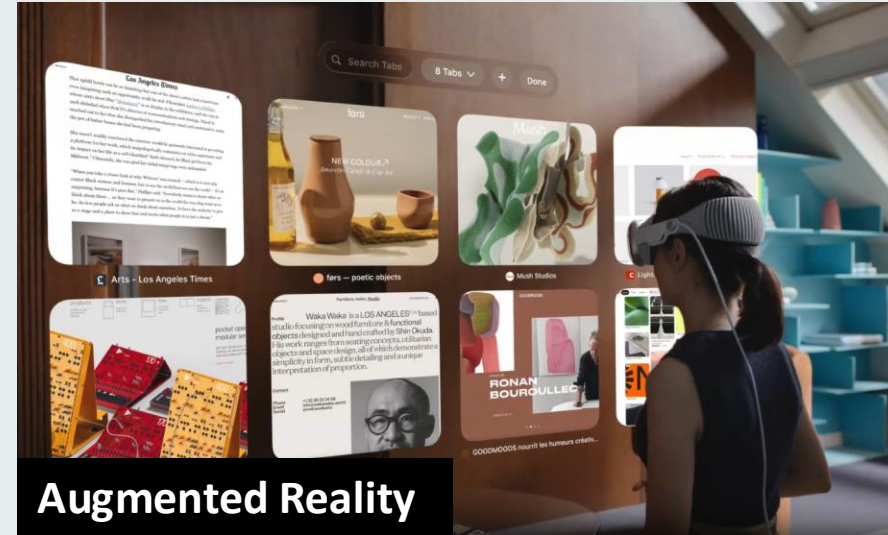
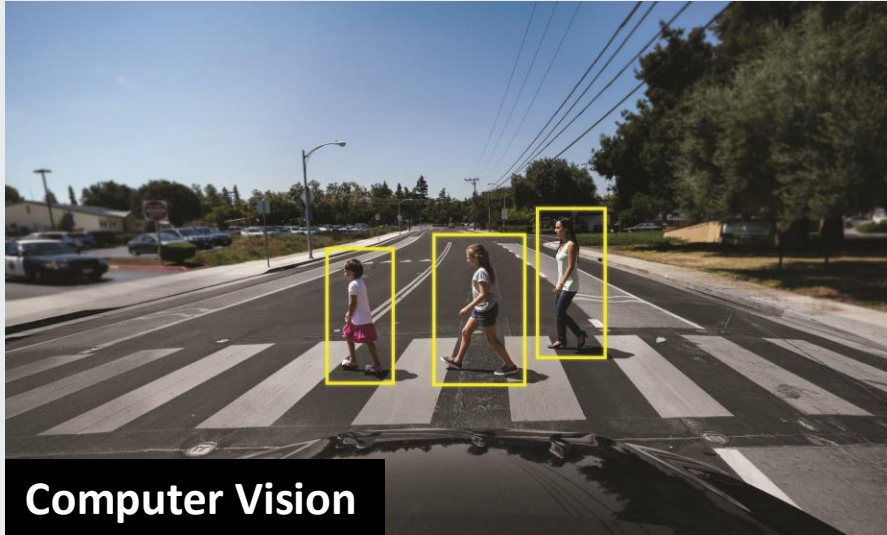


Introduction to the Department of Informatics

Presented by
Dr Michael Cook



The Future of Technology



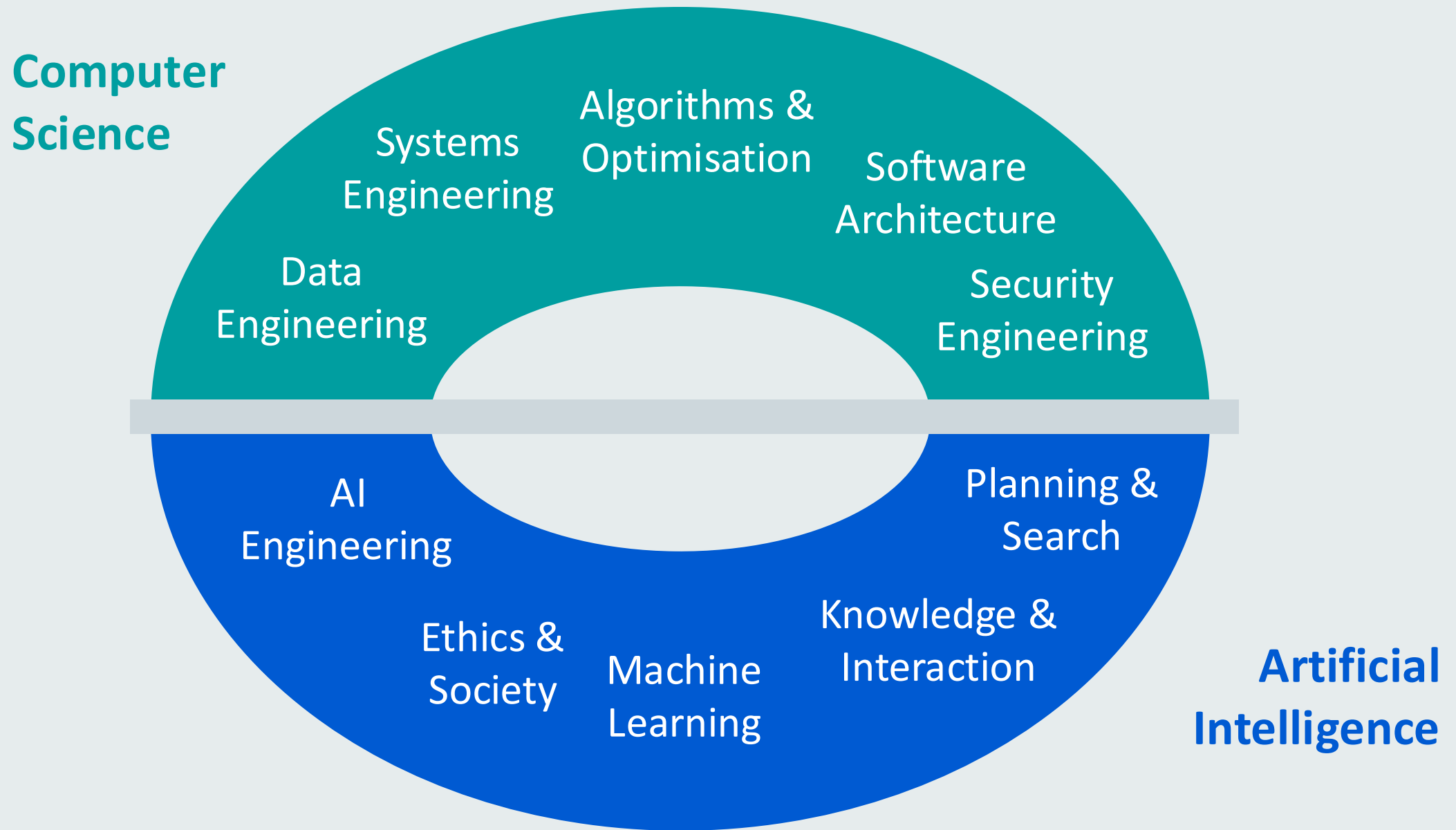
Computer Science and AI has many different angles to it...



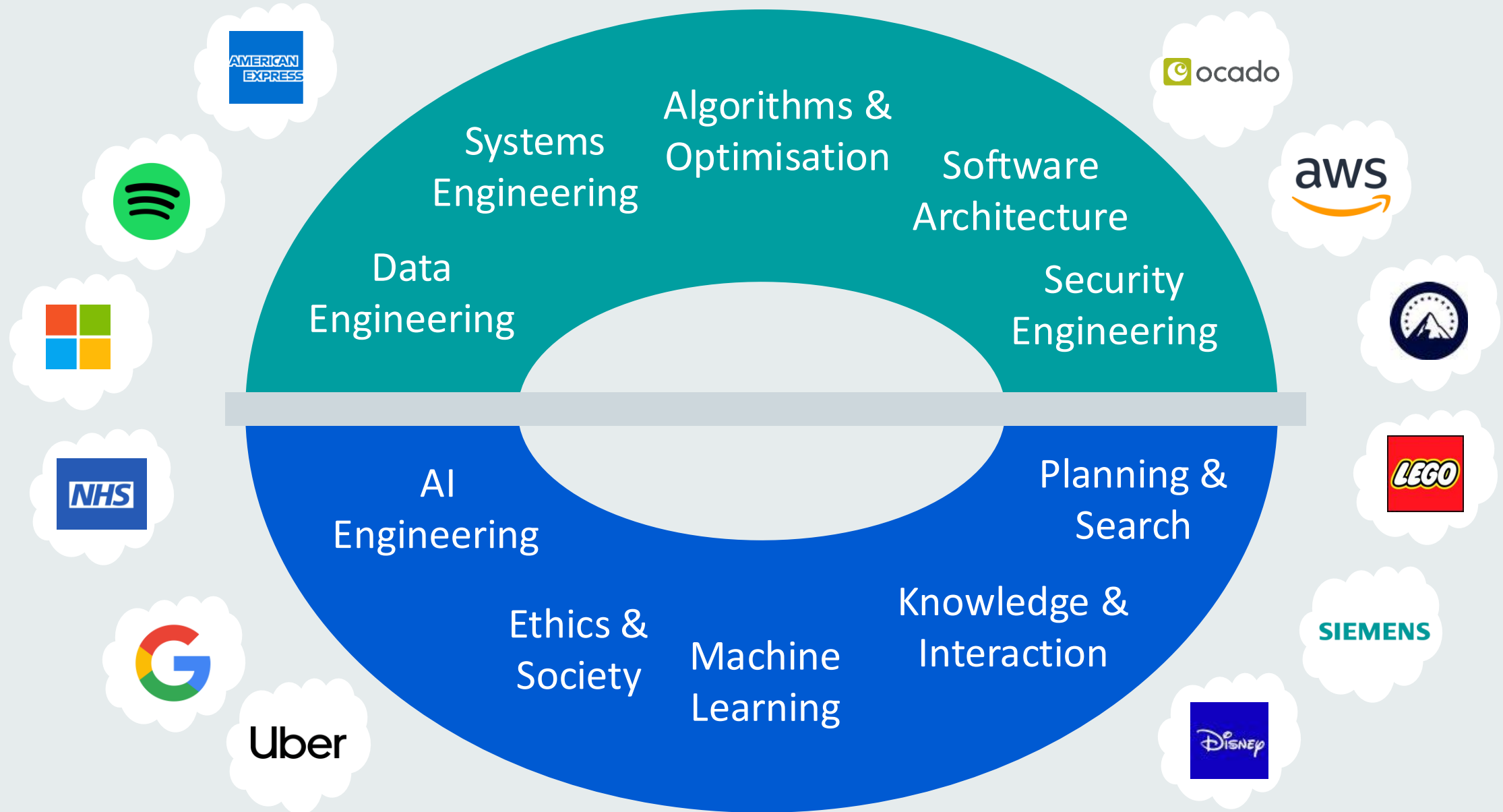
...and touches our lives in many different ways!



The two sides of Computing at King's College London



The two sides of Computing at King's College London



Computer Science or Artificial Intelligence?

- ✓ Both programmes have overlap and learn about topics from each other's areas.
- ✓ Both courses train world-class engineers with practical skills and cutting-edge knowledge of their field
- ✓ Both cover the fundamentals of computing and teach reusable, transferable skills that apply to a wide range of jobs.
- ✓ Both courses are accredited by the BCS, valued and recognised by employers around the world.

Typical Job Profiles in Computer Science

**Software Integration
Engineer**

Security Engineer

Full-stack developer

Mobile developer

DevOps Engineer

**Front-end / Back-end
Developer**

**Computer Science
Teacher**

Systems Analyst

Research Scientist

Typical Job Profiles in Artificial Intelligence

Data Scientist

Logistics Engineer

Negotiation Engineer

**Knowledge Graph
Engineer**

**Algorithmic Impact &
Responsibility Scientist**

Robotics Engineer

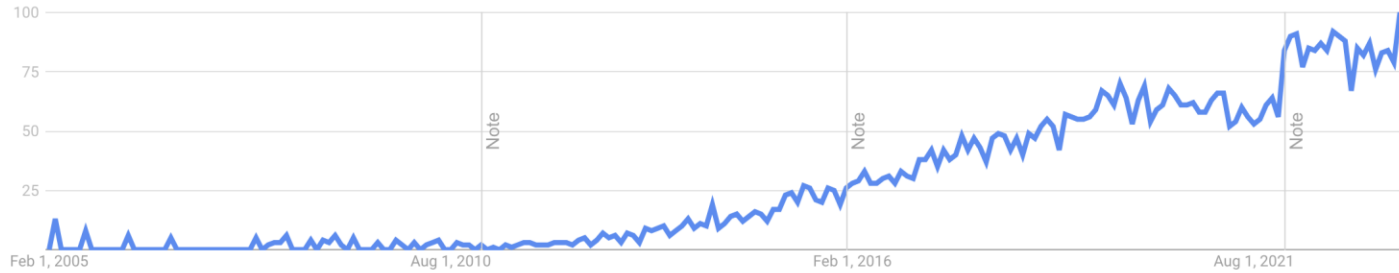
Policy Advisor

**Business Intelligence
Engineer**

Systems Architect

What's Coming Next?

Interest over time ?



Data Scientist

Interest over time ?



**Python
Developer**

Looking To The Future



Algorithms and Data Analysis

The research scope of the Algorithms and Data Analysis (ADA) group ranges from theoretical...



Cybersecurity

The Cybersecurity (CYS) group studies design, modelling, analysis, verification and testing of...



Distributed Artificial Intelligence

The Distributed Artificial Intelligence group explores the use of AI in social and economic contexts...



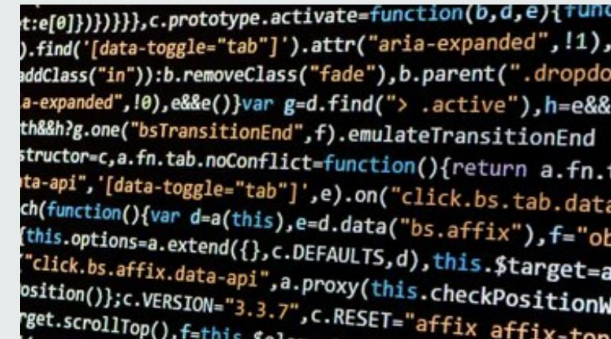
Human Centred Computing Research

The Human Centred Computing (HCC) group is concerned with the design, development and evaluation of...



Reasoning and Planning

The Reasoning and Planning (RAP) group focusses on the fundamental Artificial Intelligence challenge...



Software Systems

The Software Systems (SSY) group studies design, modelling and engineering of software systems,...

Computer Science and Artificial Intelligence at King's College London

World-leading education and research quality



Ranked 40th in the world, 8th in the UK (QS World Rankings)



Ranked 17th for Computer Science (Guardian 2024)



6th in the UK overall



7th for graduate prospects



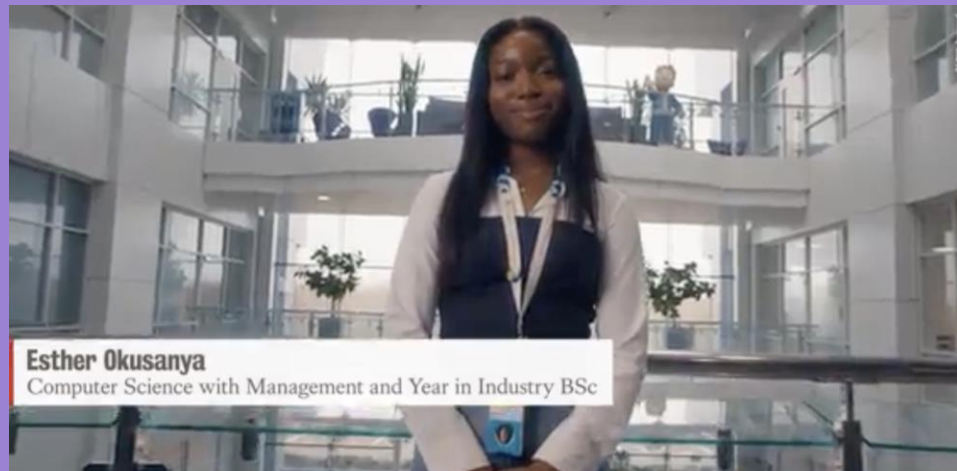
5th in the UK for Social Impact (Times Higher Ed.)



3rd in the UK for multi-faculty Research Impact

Top 20% of universities for knowledge exchange & impact (KEF 2023)

BSc with Year in Industry



Esther Okusanya
Computer Science with Management and Year in Industry BSc

More info at:

<https://www.kcl.ac.uk/careers/get-experience/placements>



Vandad Vafai Tabrizi
Computer Science with Management and Year in Industry BSc



BSc with Year Abroad



香港大學

THE UNIVERSITY OF HONG KONG



MONASH
University



NUS
National University
of Singapore

Berkeley
UNIVERSITY OF CALIFORNIA



ÉCOLE
POLYTECHNIQUE

UCLA



UNIVERSITY OF
TORONTO



POLITÉCNICA

UNIVERSIDAD
POLITÉCNICA
DE MADRID

More info at:

<https://www.kcl.ac.uk/study-legacy/abroad/discover/destinations/partners-by-department>



What Does a Fourth Year Offer?

Masters-Level Skills

A fourth year of study allows you to go deeper into the topics you're passionate about, and gain a new set of skills that employers value highly.

Advanced Seminars and Research

Fourth-year content is closer to the **cutting edge** of research, taught by leaders in their fields, giving a unique perspective on important topics in computer science and artificial intelligence.

Group Projects

Create a portfolio piece, practice working on a team of engineers, and develop BCS-recognised skills to prepare you for industry. Past fourth-year group projects have also led to startups and commercial products.



New for 2025: Artificial Intelligence & Philosophy BSc

- Our new **joint-honours degree** combines AI with philosophy's study of the big questions.
- You'll study an **equal balance of AI and philosophy to develop a broad, global mindset.**
- This degree will equip you with the **technical and critical skills that open doors** to careers in tech, government, business, journalism, research and more.
- You'll be able to choose from a wide-range of modules, **tailoring your degree to your interests.**
- You'll be **taught by the best** - Philosophy and Computer Science departments are both ranked in the top 6 in the UK (QS 2024).
- You can also choose to **study abroad** for a year as part of this degree.
- Course webpage and applications will be open in September, scan the QR code to register your interest and receive the latest news about this course.



Graduation and Careers



7th for graduate prospects



3rd for graduate careers (CS)



6th for employability

A photograph of a young woman with blonde hair, wearing a white lace top and jeans, reading a book. She is standing in front of a bookshelf. In the background, a sign reads "CAREERS & EMPLOYABILITY". A large green plant is on the right. A purple banner at the bottom contains a QR code and text.

I want to know how my degree will help my future

Learn more about career support at King's

King's Careers and Employability team provide a range of support to students, including:

- *Career coaching and planning sessions*
- *Application feedback and practice interviews*
- *Drop-in advice sessions*
- *Industrial placement support*

Careers in Informatics

Job Titles

- Analyst
- Global Markets Analyst
- Managing Director
- Vice President
- Systems Analyst
- Credit Analyst
- Project Services Manager
- Software Developer
- Vice President
- Software Engineer
- Data Management Lead
- Data Governance Engagement Director
- Development Operations Manager
- Technical Architect
- ICT Engineer
- Head of IT

Industries

- Banking & Finance
- Computing & IT
- Engineering
- Education & Research
- Information Technology Services
- Consultancy
- Management Consulting
- Entertainment
- Media
- Marketing & Advertising
- Telecommunications
- Health



Launching your startup



King's Entrepreneurship Institute

Finding real-world impact



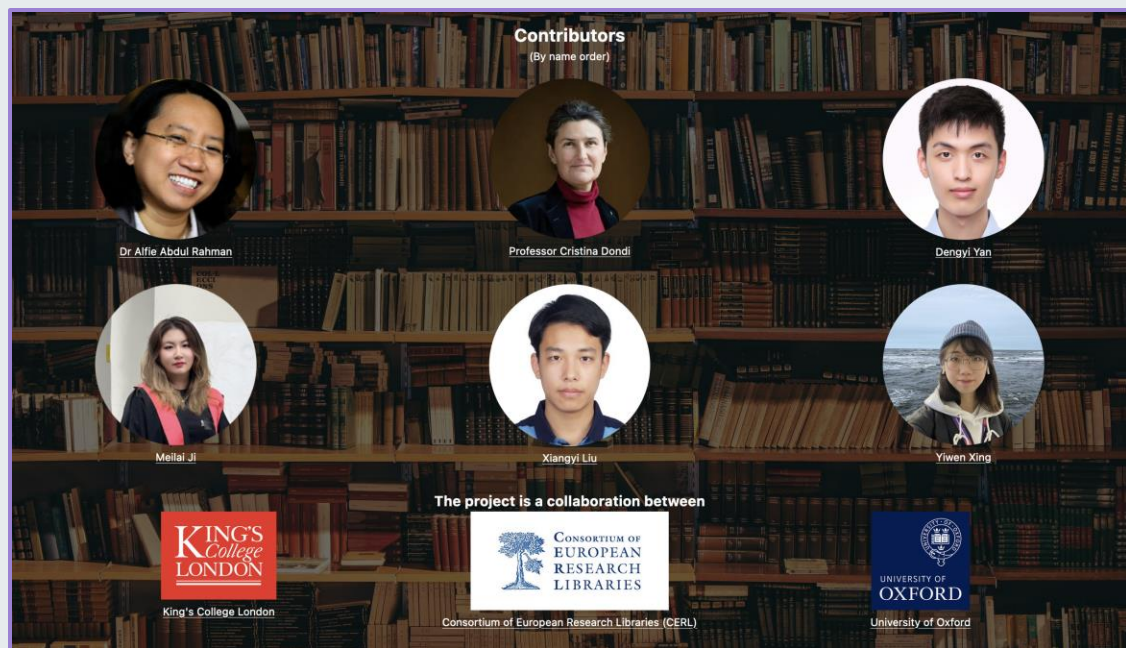
Informatics students spent seven months of their final year developing innovative tech solutions to challenges faced by public sector bodies, as part of a scheme delivered with Amazon Web Services (AWS).

The full story of our students' Impact Accelerator initiative



Solving real problems across London

Undergraduate Research Opportunities: KURF



Sandars Lecture 1



Unveiling the Dispersal of Historical Books from Religious Orders

Y. Xing¹, D. Yan¹, C. Dondi², R. Borgo¹, and A. Abdul-Rahman¹

¹King's College London, United Kingdom ²University of Oxford, United Kingdom

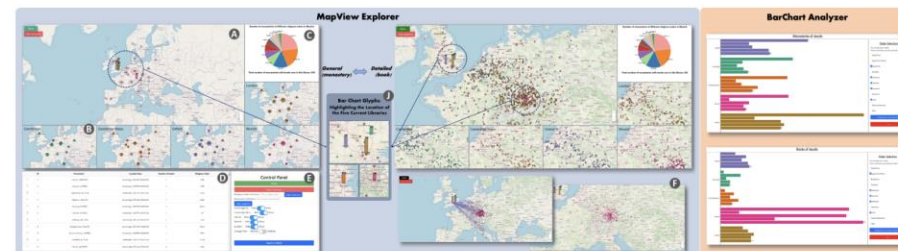


Figure 1: Two interfaces are designed to visualize the dispersal of books using map-based layouts augmented with descriptive statistics. The *MapView Explorer* offers a two-tier view of the monastery or book distribution on the main map (A) and five synchronized mini-maps

King's Undergraduate Research Fellowships

Undergraduate Research Opportunities: Robocup



More on KCL's
RoboCup@Home
team

Undergraduate research opportunities gets students closer to real research, like our Robocup@Home competition team!

KCL Robotics on the BBC
One Show recently:



Zoe Evans
King's College London

What does a typical week look like?

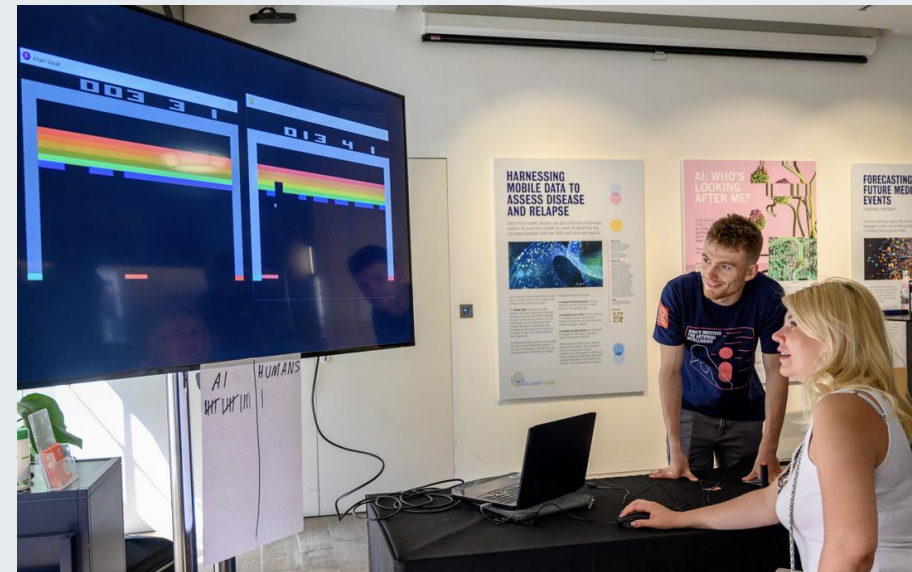
Where you will spend your time...



How you will spend your time...

Module 1	Module 2	Module 3	Module 4
Lectures / Large Group Tutorials 2 hours	Lectures / Large Group Tutorials 2 hours	Lectures / Large Group Tutorials 2 hours	Lectures / Large Group Tutorials 2 hours
Software Labs 2 hours	Software Labs 2 hours	Software Labs 2 hours	Software Labs 2 hours
Seminars / Small Group Tutorials 1 hour	Seminars / Small Group Tutorials 1 hour	Seminars / Small Group Tutorials 1 hour	Seminars / Small Group Tutorials 1 hour
Independent Self-Study 5-6 hours	Independent Self-Study 5-6 hours	Independent Self-Study 5-6 hours	Independent Self-Study 5-6 hours
Total 40 hours / week			

Life at King's is vibrant and extends beyond the lecture hall!



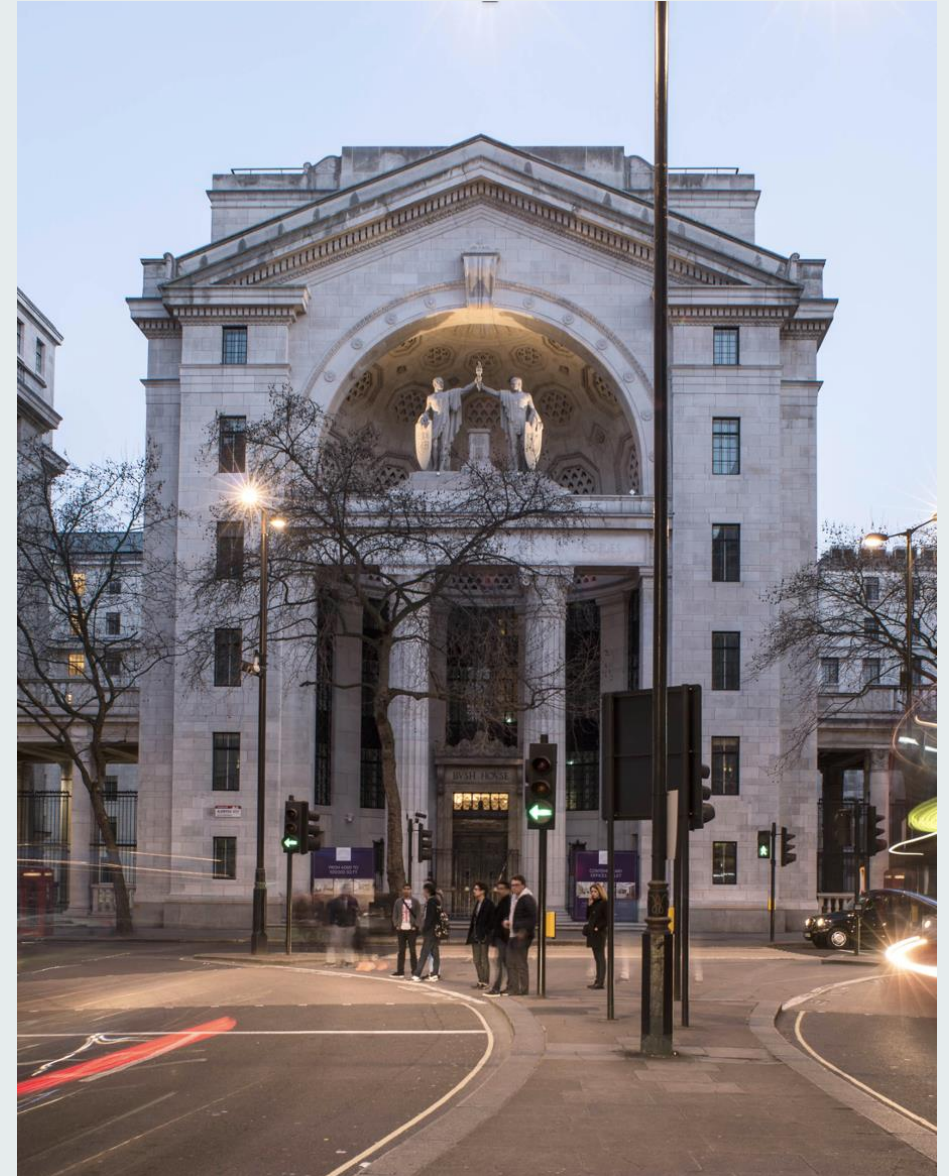
Our values and ethos

Equality, diversity and inclusion @ King's Informatics

- ✓ Provide an inclusive working, learning and research environment for all staff and students

- ✓ Ensure that no staff or student will be disadvantaged because of any protected characteristics

- ✓ Strive for diversity of staff and students along all dimensions



Women in Science @ KCL Informatics



[WiS Seminar Series]: Exam season finale - time to celebrate

31 May 2023, 16:00 to 19:00

Exam Season Finale: Time to Celebrate



[WiS Seminar Series]: The science of knowledge equity - research at Wikimedia

03 April 2023, 16:00 to 17:00

The Science of Knowledge Equity - Research at Wikimedia



[WiS]: King's Women in Informatics 2023 Conference

29 March 2023, 16:00 to 19:00

King's Women in Informatics 2023 Conference



PhD students present at ACM Women in Computing in Europe

Women PhD students from the Department of Informatics' research groups were invited to attend the 8th ACM Celebration of Women in Computing in Europe

Last updated on Mar 2, 2022



8th ACM Celebration of
Women in Computing
womenCOURAGE
22-24 September 2021
Virtual - Europe and Beyond



More info at:
<https://www.kcl.ac.uk/informatics/about/diversity-inclusion>



Equality, diversity and inclusion @ King's

Disability Support & Inclusion

Welcome to Disability Support at King's College London



Supporting wellbeing and inclusive learning



Social mobility at King's

Empowering underrepresented students in higher education



The What Works Department

Research and evaluation to help enhance social mobility and student success



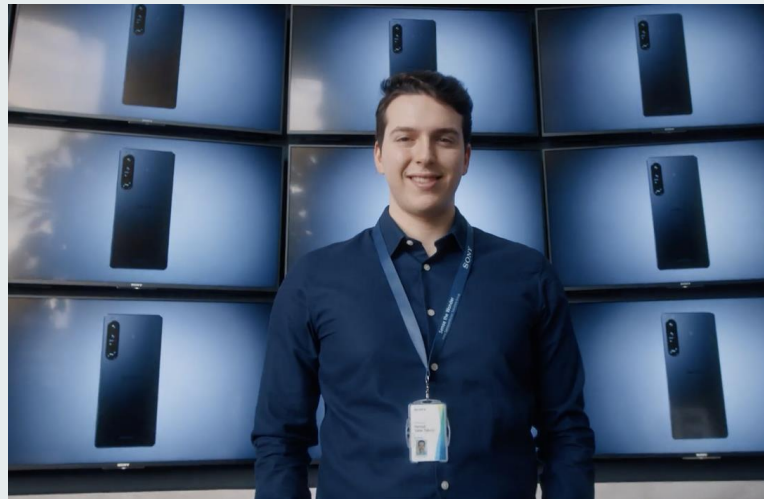
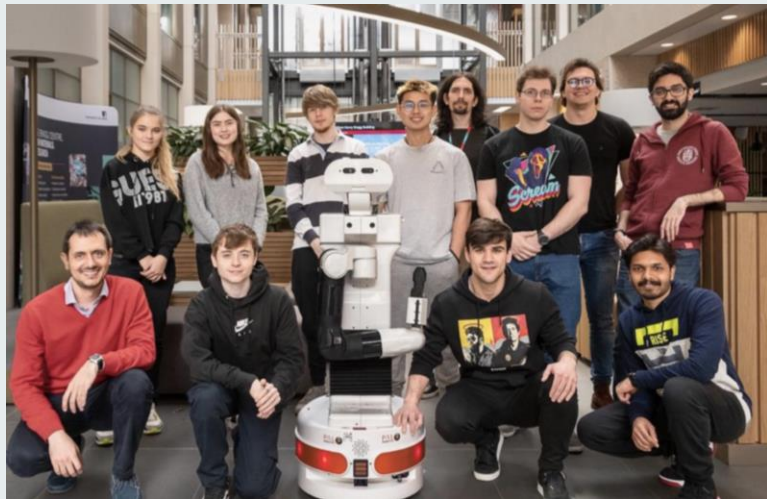
Careers+

Specialist support for students from underrepresented backgrounds

More info at:
<https://www.kcl.ac.uk/informatics/about/diversity-inclusion>



How will you make a difference?



Thank you

For more information contact

Dr Christian Urban

Undergraduate Admissions Tutor

christian.urban@kcl.ac.uk

Chat to current students:

www.kcl.ac.uk/unibuddy

www.kcl.ac.uk/informatics

Your next steps today:

- Visit us in the NMES hub in Bush House, Level 8 and chat to current students and staff

Dr Michael Cook

Senior Lecturer

mike.cook@kcl.ac.uk