

Job Description

Job Title:	NIHR Undergraduate Internship – Clinical Data Systems
Department/Division/Faculty:	Imperial Clinical Trials/School of Public Health/Medicine
Campus/Location:	Stadium House, White City Campus, London
Job Family/Level:	£21.60 per hour (inclusive of holiday pay, for the duration of the contract of up to 8 weeks)
Responsible to:	Emma Kirby, Systems Development Manager
Line Management for:	N/A
Key Working Relationships (Internal):	Head and Deputy Head of Clinical Data Systems, ICTU Data Systems Manager, CDS Systems Development Manager, Data Specialists in the Clinical Data Systems (CDS) team within the Imperial Clinical Trials Unit (ICTU)
Key Working Relationships (External):	External engineers providing IT service level support within Imperial College and third parties
Contract type:	Full time (35 hours per week) and fixed term for 8 weeks over the summer period (6 th July – 28 th August 2026).

Background

We have funding from the National Institute for Health and Care Research (NIHR) Undergraduate Internship Programme to fund three undergraduate students to undertake internships at Imperial Clinical Trials Unit (ICTU).

We are seeking students who are interested in pursuing a career in clinical data systems research or clinical trials. This job description describes one internship for students who have a strong interest in clinical data systems, data management used in clinical trials and have a background in computer science.

The Imperial Clinical Trials Unit (ICTU) (<https://www.imperial.ac.uk/clinical-trials-unit/>) is a UKCRC fully registered clinical trials unit, bringing together academic, clinical and trial management expertise. Our collaborative approach aims to deliver world-class clinical trials spanning all phases and designs, encompassing a diverse range of therapeutic areas.

Purpose of the Post

To empower the intern with hands-on experience in automating electronic case report form (eCRF) development.

The internship will take place for 8 weeks starting the first week of July to the end of August for 8 weeks and would be ideal for undergraduate students studying computer science or related quantitative subjects.

The intern will be supervised primarily by Emma Kirby (Systems Development Manager at ICTU), who will provide day-to-day management, organise learning and research activities for the intern with support from Francesco Lala (Head of Clinical Data Systems) and Dr Kenan Direk (Deputy Head of Clinical Data Systems). The intern will also receive additional supervision from data specialists for weekly training and shadowing activities covering software development.

The interns will develop knowledge of the software development lifecycle in clinical trials and gain applied experience using automated systems, as well as exposure to the importance of clinical data systems in clinical research. Interactions with clinical research and IT professionals will create networking opportunities and potential avenues for future career options.

The intern will be based at Stadium House, White City campus.

Key Responsibilities

The main duties of the post will include:

- Understand the role of data specialists working in a clinical trials unit
- Develop an understanding of the processes and procedures related to developing eCRFs for clinical trials and good clinical practice
- Learn to scope automation to where it is most applicable and fit for purpose for eCRF development
- Learn best practices of coding
- Understand the Electronic Data Capture (EDC) development, testing and validation processes used within the unit
- To interact closely with data specialists, interns, and ICT support users at Imperial College London
- To attend relevant internal meetings and wider College events
- To present their research project results and their experience of completing a CTU internship to the wider CTU team at the end of the placement

Other Duties

- To observe and comply with all College policies and regulations, including the key policies and procedures on Confidentiality, Conflict of Interest, Business Continuity, Data Protection, Equal Opportunities, Ethics related, External Interests, Financial Regulations, Health and Safety, Information Technology, and Smoking.
- To undertake specific safety responsibilities relevant to individual roles, as set out on the College Health and Safety Structure and Responsibilities web page.

Person Specification

Requirements	Essential (E)/ Desirable (D)
Candidates/post holders will be expected to demonstrate the following:	
Education	
Be in the process of studying for an undergraduate degree in computer science or related quantitative subject, having completed at least the second year or between the third and fourth year of a four-year degree	E
Experience	
Experience of coding JavaScript with web-based automation tools (e.g., Python or similar)	E
Knowledge	
Demonstrable interest in electronic data capture software development and testing	E
Some knowledge of data capture software development, application testing and Validation of data capture systems used in clinical studies (e.g. OpenClinica, REDCap or Oracle Health Sciences, InForm)	D
Skills & Abilities	
Automation tool scripting skills (e.g., JavaScript, or similar)	E
Excellent interpersonal skills	E
Basic web programming	E
Ability to communicate and collaborate effectively, both verbally and in writing, with staff from a range of disciplines	E
Ability to work both as an individual and as part of a team	E
Other	
A meticulous approach and attention to detail	E
An interest in pursuing a career in clinical data systems research	E
An interest and willingness to learn new information and acquire new skills quickly	E

Further Information

Please note that job descriptions cannot be exhaustive, and the post-holder may be required to undertake other duties, which are broadly in line with the above key responsibilities.

Imperial College is committed to equality of opportunity and to eliminating discrimination. All employees are expected to follow the [Imperial Values & Behaviours framework](#). Our values are:

- Respect
- Collaboration

Imperial College London

- Excellence
- Integrity
- Innovation

Employees are also required to comply with all College policies and regulations paying special attention to: Confidentiality, Conflict of Interest, Data Protection, Equal Opportunities, Financial Regulations, Health and Safety, Information Technology, Smoking, Private Engagements and Register of Interests. They must also undertake specific training and assume responsibility for safety relevant to specific roles, as set out on the [College Website Health and Safety Structure and Responsibilities](#) page.

We are committed to equality of opportunity, to eliminating discrimination and to creating an inclusive working environment for all. We therefore encourage candidates to apply irrespective of age, disability, marriage or civil partnership status, pregnancy or maternity, race, religion and belief, gender reassignment, sex, or sexual orientation.