

## StudentShapers Recruitment: Calling all PhD students

### Developing learning approaches for the ReCoDE (Research Computing and Data Science Exemplars) project

**Bursary:** Two positions for four weeks each for the month of July (at £230pw - each student will be expected to be engaged about two days pw)

**Who should apply:** PhD students with a keen interest in learning and teaching, who have a reasonable knowledge of programming (have taken some intermediate classes and/or have six months of hands-on experience)

**Campus/Location:** South Kensington and online

#### Project details:

**You will collaborate on developing learning content for a pilot project funded by the Imperial Excellence fund for Learning and Teaching Innovation.** The [ReCoDE project](#) (Research Computing and Data Science Exemplars) aims to develop and gather exemplars of high-quality research computing and data science projects from various disciplines that demonstrate the use of research software best practices. The exemplars are being created by graduate students and have already been selected through a competitive process. They will contain high-quality annotation to support independent learning. The whole project aims to bridge the gap between classroom instruction that provides basic-to-intermediate programming skills and the development of a fully-fledged PhD project with significant research computing aspects. ReCoDE is currently in a five-exemplar pilot stage. If successful, it will be funded to develop an additional 35 exemplars.

The ReCoDE pilot is already under way. You will join at a point when the code exemplars are at the stage of a full prototype and first pass annotations for independent learning have been completed. Your role will be to study the exemplars and suggest ways to enrich and improve the learning opportunities and presentation. At the same time, we will work together on finding ways to evaluate the project.

We expect you to enthusiastically engage with the ReCoDE exemplars in subjects that may be different from your own discipline. The exemplars are selected in such a way that this should be feasible – the emphasis is on the research computing aspects. Your experience in understanding and learning from these exemplars will be crucial in improving and enriching the learning presentation for a wide audience. You will gain new disciplinary and technical skills and a deeper understanding of how students learn. At the same time, you will collaborate with fellow PhD students and teaching fellows from the Research Computing and Data Science Programme in the Graduate School. This will be an excellent opportunity for you to develop your communication skills and for us to appreciate students' perspectives.

# STUDENTSHAPERS

## How to apply:



Applications (300-500 words) should be made via the 'Student Expression of Interest' form on the StudentShapers website ([here](#)) or accessed using the above QR code. This will then be distributed directly to the appropriate staff partner.

**Deadline: 15<sup>th</sup> June, 2022**

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