



StudentShapers Recruitment: Calling all Computing students

Next Generation Online Learning Tools

Do you want to help build modern software tools to support the everyday activities of learning and teaching within the Department and College?

Bursary:

10 weeks full time during the summer vacation, paid at £305/week

Who should apply:

We are recruiting a team of **up to 3 Computing students** (most likely 1st or 2nd year undergraduates) to develop educational software over the summer. Good software development skills are required - particularly desirable would be skills in Python, JavaScript and web development - but all candidates with good programming or design skills will be considered.

Campus/Location:

Dept of Computing - South Kensington Campus

Project details:

Online learning and the use of digital technology is a key part of Imperial's Learning and Teaching Strategy. In this project, students and staff will work together to build modern educational tools with slick user interfaces. For example, we could build tools to help with submitting, assessing and returning coursework, resources for each module (notes, lecture recordings, exercises, student forums, peer assessment, in-class quizzes, etc), communication between students and staff, online labs, innovative assessment methods etc.

The Dept of Computing has already developed an ecosystem for new educational applications, using an internal open-source model. This means that any student can view the code of our applications and see how they work. They can make their own changes, and propose these improvements to be incorporated in the live versions. We have already received a number of very useful contributions to these systems from students. This summer StudentShapers project will allow students to contribute more and to design larger, more innovative features. We want to realise ideas for improved teaching and learning systems to be used by everyone in Computing, and perhaps spread these ideas across College!

imperial.ac.uk/studentshapers

Twitter: @studentshapers

The team will have the opportunity to practise and refine their software engineering skills, and have direct input into the design of tools and systems that will be used by all of their colleagues from the autumn term onwards. We expect that this project will use a development process typical of commercial software development. Taking part will provide similar experience and learning to undertaking an industrial software development internship.

We anticipate the project would start in early July 2020 and run for 10 weeks. The students will work as a team, and would be expected to come into College to work together during this time.

How to apply:

Please write a short email (max 400 words) explaining why you would like to work on this project, what ideas you have, and giving some examples of your previous software development experience. We will review all the applications, and then may invite a shortlist of candidates for an informal meeting to discuss further before making our final selection.

Send your email to Dr Robert Chatley (rbc@imperial.ac.uk). Please put "Summer EdTech Project" in the subject of your email.

Deadline:

Midnight, Sunday 15th March.