StudentShapers Recruitment:
Calling all *Software Developers*

Building and Launching Web Applications on Imperial's Self-Service Cloud

Bursary: 5 weeks full time @ £365 / week. 2 Positions available.

Who should apply: Students with experience building web applications, particularly with Python/Flask / JavaScript / Databases.

Campus/Location: Preferably on campus in South Kensington (at least some of the time).

Project details:

Imperial has a highly technical and creative community of students and staff. Many are skilled at developing software. However, we don't currently have a good way for students or staff to deploy their software to production infrastructure without specialist technical support from individuals within ICT and related groups – which can be hard to get. We want to make this an easy, self-service experience.

As a partnership between ICT and the Dept of Computing, we are creating a self-service platform to make it easy for staff or students from any department to build new digital applications that integrate with other College systems, and to deploy them on reliable infrastructure, quickly and easily. The idea of this platform is to give developers a kickstart to get prototypes up and running, and then for successful projects, to support the transition to a production system that can be used across the College or even beyond.

We envisage that students would be key users of the new platform, creating software relevant to their studies, or for their own projects. We are therefore seeking students to work together with us through the StudentShapers programme to develop the first applications targeting the platform, helping to design an effective developer experience.

This project has two objectives, firstly to help us to work on the best experience for developing with the Imperial cloud platform. And secondly, to build a useful application.

In terms of a target application, we are partnering with Prof Tim Ebbels and Dr Aaron Lett from Medicine, who are looking for a software system to help with advertising and fairly allocating student projects. Our plan is to recruit two students to work as a team to develop this as an app on the Imperial cloud platform. We have a partial prototype of such a system written in Python/Flask with a simple web UI. We hope that the team would be able to take this as a starting point, work together with us, Tim and Aaron to develop an application that meets the needs of Medicine, and to use the cloud platform to deploy prototype and production versions, using modern software engineering practices. You would simultaneously work together with ICT's Technology Office to refine the cloud experience.

This project would suit students who are competent web developers, who are interested in exploring cloud technologies, and who would like to design and build software to be used by their fellow students.

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 QR code to the left.

Please explain why you are interested in the project and summarise your related skills and experience. We will review what you wrote and then follow up with informal interviews for shortlisted candidates.

Deadline: Monday 27th March

Contact details: *Robert Chatley (Dept of Computing) - r.chatley@imperial.ac.uk / Richard Howells (Head of Technology Office, ICT) - r.howells@imperial.ac.uk* **This project is funded by Imperial's [Digital Innovation Fund](#).**