StudentShapers Recruitment:
Calling all Student Software Developers

Build an Online Student Project Selection Tool

Bursary: *10 weeks full time during the summer vacation - paid at £390 per week x 10 weeks*

Who should apply:

We are looking for enthusiastic and skilled web developers to build an application — probably using Python and React, but there is some flexibility — that we will aim to deploy to the cloud under Imperial's Azure cloud subscription. Experience designing and building database-backed web applications would be a big plus.

Campus/Location: *South Kensington campus + option for some remote work*

Project details:

Throughout their studies, most Imperial students will undertake a number of group and individual projects, working with a supervisor. Finding a project that is interesting and a good fit for the students, and making sure that projects are allocated fairly, while also spreading supervisor workload and meeting other constraints, is a difficult problem.

The aim of this project is to design and build a web application that would allow supervisors to advertise student projects, and for students to browse, search, shortlist and rank them. Staff may also have preferences about which students best suit the project.

Importantly, we want to provide various algorithms for allocating students fairly to projects according to the expressed preferences and constraints. We already have some prototype implementations that could serve as a starting point, but we are looking for student partners to develop this, bringing the student point of view to make something as useful as possible for the student body, and the staff.

This project is being run by the Department of Computing, but, the aim is to produce a tool that could be customised and adopted by different departments across Imperial. With this aim in mind, allowing for easy configurability of options will be key to success.

Another parallel goal of this project is to test out deploying student-developed applications on Imperial's new cloud platform.

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 on the left. This will then be distributed directly to the appropriate staff partner.

Deadline: *11:59pm, Sunday 9th June*

Contact details: *Dr Robert Chatley - Director, Software Engineering Practice, Dept of Computing - rbc@imperial.ac.uk*