

Propose a vacation student project for Summer 2019

Deadline for making your proposal(s): 17:00 Friday 22 March 2019. This is a hard deadline.

This form is for one project proposal, so to propose multiple projects please submit a separate form for each project. Any queries, do ask - Toby.

Project supervisor email *

simon.harper@manchester.ac.uk

Title of the project *

PGR Dashboard

Source of funding *

- School funding requested
- You have your own funding (e.g. research grant)

Objective of the project *

To provide a semi automated - pseudo live dashboard of all things PGR for staff and students include funding available, revenue, total students, offers, applications, general pool, acceptances, calendar updates. The list goes on. PGR is quite personal and the sources are often disjoint and require amalgamation due to the perceived small numbers of students. This means that an overall picture is often lost. The project would use a micro-services architecture to make an easily expandable dashboard that would enable information owners to update information then display views it as advertising for students and informational for staff.

Number of students requested (justify if > 1) *

1

Start date, end date, total duration (weeks) *

Flexible, 12 weeks

The benefit to the School *

Reduced time in collating information, and building an upto date picture of PGR across the Dept, could be used in the new School as a whole.

The benefit to the student *

Learning micro-services architectures, and agile development from a real world perspective.

Skills needed by the student. *

Good Coding Skills

Details of the work that the student would do *

The project would use a micro-services architecture to make an easily expandable dashboard. This will have server and front end developments for both data input and output.

Infrastructure requirements and any required staff support other than the project supervisor *

Some support to define the publish pipeline and the server on which things sit.

Supervision arrangements throughout the duration of the project (named staff and dates covering the entire duration) *

Simon Harper & Bijan Parsia

Location of the project work (building/room) NB projects must be on-campus *

LF1&LF7

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