Propose a vacation student project for Summer 2020

This call is now closed

The deadline for making your proposal(s) was 18:00 Friday 13 March 2020.

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.

Title of the project *
Improving and Open-Sourcing COMPjudge

Source of funding *

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

Objective of the project *
To make improvements to COMPjudge and make COMPjudge open-source.
Number of students requested (justify if > 1) *

1

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

From 8th June, duration 10 weeks

The benefit to the Department *

Improving a tool that improves assessment and feedback. The priority will be to make the tool more robust and scalable, addressing issues raised in student feedback.

The benefit to the student *

Working with web technologies and contributing to an open-source project

Skills needed by the student. *

Good programming skills. Experience of web technologies (node, react, mongodb) or ability to pick them up quickly.

Details of the work that the student would do *

There are various improvements that can be made and we will hold a focus group with current second years to identify priorities. The two main areas of improvement are improving robustness/scalability and implementing a usable back-end to allow lecturers to specify tests etc.

The current barriers to open-sourcing are coupling with internal Manchester processes.
Infrastructure requirements and any required staff support other than the project supervisor *

Continued provision of COMPjudge infrastructure

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

Giles as main supervisor. Lucas happy to cover any holiday periods.

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

Kilburn

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