

# 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.

Project supervisor email \*

giles.reger@manchester.ac.uk

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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