

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 *

giles.reger@manchester.ac.uk

Title of the project *

Improving COMPjudge

Source of funding *

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

Objective of the project *

Last year a summer project developed COMPjudge to be used in 26120. It has been a success. It has since been extended with some new features and used in 24412. However, there are still some new features and improvements that would significantly improve its utility in labs. This project will implement those.

Number of students requested (justify if > 1) *

1

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

10 weeks over the full period. From experience, it is best to start early and allow 2 weeks break during the period to fit around students needs.

The benefit to the School *

Improve student experience and reduce TA workload

The benefit to the student *

This is a real development project using industrially relevant tools. As a bonus, if they have used COMPjudge this year they can have a hand in improve it.

Skills needed by the student. *

We use node.js, mongo, and some Python bits. Things are glued together with Javascript and bash. You don't need to know this stuff but shouldn't be afraid of it.

Details of the work that the student would do *

Implement and test extra features in COMPjudge.

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

Already in place

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

Giles Reger. Contactable throughout but for 2 (separate) weeks this will be remote.

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

Kilburn

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