Propose a vacation student project for Summer 2017

Deadline for making your proposal(s): 09:00 Monday 10 April. This is a hard deadline.

Please fill in and submit this form multiple times for multiple proposals. Any queries, do ask - Toby.

Project supervisor email *

giles.reger@manchester.ac.uk

Title and objective of the project *

Developing Tools to Support Learning in COMP11212

Number of students requested (with justification if more than 1) *

2 as there are two parts of the course, but we can use 1

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

Thursday 8th June, 12 weeks

The benefit to the School *

Provide materials to improve learning on a first year course (250+ students)

The benefit to the student *

Significant development task (good for employability). Increase understanding of fundamental CS topics.
Propose a vacation student project for Summer 2017

Skills needed by the student. *

Appropriate programming skills and being comfortable with material from COMP11212

Details of the work that the student would do *

Produce a learning tool for one part of COMP11121 (one for each student). For the first part this might be a tool visualising various algorithms on automata and regular expressions. For the second part this might include writing a parser and interpreter for the while language. The exact tool would be based on a discussion between the Lecturer for that part and the student. As well as the tool the student should produce some materials (tutorial, worked examples etc) to help students use the tool.

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

None

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

Giles available throughout with the exception of July 24-31 (Sean available) and August 7-11 (Sean unavailable). Sean available June+July but not August.

Location of the project work (building/room) *

Kilburn Building

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