

Internship: Scheduling Astronomical Observations

Supervisor: Ian Miguel (ijm@st-andrews.ac.uk)

The Artificial Intelligence group at the School of Computer Science seeks a qualified intern to join a team collaborating with the School of Physics and Astronomy to schedule astronomical observations in the search for exoplanets.

The intern should be prepared to work in a team environment collaborating with academics with differing backgrounds, and will finish the internship having gained experience with constraint modelling, combinatorial search, and running and analysing the results of large-scale distributed experiments. Prior experience in these topics is an advantage, but not essential.

Responsibilities

- Liaise with colleagues in Physics and Astronomy in order to create a formal specification of the scheduling problem, and to obtain problem instances.
- Assist in formulating constraint models derived from the specification.
- Design and run a series of experiments to test the efficacy of the constraint models.
- Perform statistical analyses on the data collected, and write up the results in a report.

Details

The period of the internship will be July 4th until August 26th, 2016, inclusive. Pay (set by the University) is £13.67 per hour.

How to Apply

If you are interested in the position, but are unsure as to whether you have the right set of skills, please get in touch. If you are interested, please reply before Friday 6th May with:

- Your name, degree and year.
- Any relevant experience.
- A statement of interest that describes why you think you would be a good fit for this internship.

We encourage all applicants from first year onwards to apply. Applications are particularly welcome from women, who are under-represented in research posts at the University.

The University of St Andrews is committed to promoting equality of opportunity for all, which is further demonstrated through its working on the Gender and Race Equality Charters and being awarded the Athena SWAN award for women in science, HR Excellence in Research Award and the LGBT Charter; <http://www.st-andrews.ac.uk/hr/edi/diversityawards/>

The University of St Andrews is a charity registered in Scotland (No SC013532).