

Engineering & Applied Science

Location: Redditch
Salary: £30,000 to £33,000 per annum
depending on experience plus personal development budget of
£4500
Contract Type: Fixed Term (27 months)
Basis: Full Time
Closing Date: 23.59 hours GMT on Sunday 05 January 2020
Reference: R190529

This role is an exciting opportunity for a PhD qualified graduate to take on a strategic project with the support of mentors from Arcus Holdings Ltd, Aston University and Innovate UK. The project will apply machine learning, game theory and optimisation techniques to optimise company's utilisation of resources, thus enabling the company to deliver a sector leading level of service to its customers.

Candidate Profile:

You will have a PhD or be close to completion of PhD in Mathematics, computer science or equivalent subject. The ideal candidate will have a strong foundation in data analytics including expertise in machine learning, time series analysis, and optimisation algorithms. The ideal candidate will have:

- Strong problem solving and analytical skills and experience.
- Strong organisation and communication skills in order to take ownership of the project and ensure it progresses to achieve the agreed objectives.
- Experience of working with data, understanding data and time series analysis methods.
- Interpersonal skills to work closely with Arcus Holdings staff across all functions to embed the skills through collaborative working.
- Communication skills to be able to present project progress across the company.

This project is a Knowledge Transfer Partnership (KTP) funded by Arcus Holdings Ltd and Innovate UK. As a KTP Associate you will have a dedicated £4,500 budget to access extensive Personal Development opportunities to support the project and your future career. To learn more go to www.aston.ac.uk/ktp

You will work in a project team consisting of academics from Aston University, and software developers and senior management at Arcus Holdings. You will be based at the company in Redditch.

Arcus Holdings Ltd Arcus Solutions Holdings Limited (ASHL) operates as a holding firm whose subsidiaries are engaged in the provision of facilities management (FM), mechanical, electrical, refrigeration, building work and other related maintenance activities. Arcus works primarily in the retail sector across the whole of the UK and Ireland. The biggest customer is Sainsbury's Supermarkets Ltd and other high-profile customers include Argos, COOP, Lloyds Pharmacy and Capita.

To find out more, please visit <https://www.arcusfm.com>

Aston University's academic support team is part of Aston's Systems Analytics Research Institute (SARI), a leading centre for research in applicable methods for applied Mathematics and computational intelligence techniques for automated decision making and optimisation.

For informal enquiries about this role please contact Dr Randa Herzallah: Tel: 0121 204 3674 or email: r.herzallah@aston.ac.uk

Interviews are expected to take place at the end of January 2020