



## Candidate Information

<b>Position:</b>	Research Assistant
<b>School/Department:</b>	Mathematical Sciences Research Centre
<b>Reference:</b>	21/108578
<b>Closing Date:</b>	Monday 25 January 2021
<b>Salary:</b>	£28,331 to £32,817 per annum
<b>Anticipated Interview Date:</b>	Wednesday 10 February 2021
<b>Duration:</b>	7 months

### JOB PURPOSE:

To be an active member of the research project and undertake research and software development relating to search ranking optimization, recommendation systems. The role will require working closely with industry partners to maximise the potential research impact.

### MAJOR DUTIES:

1. Work with industry partners to identify research and application challenges.
2. Undertake basic research activities including designing solutions to identified problems to meet industry needs in consultation with the supervisor.
3. Develop prototypes to source and analyse data as defined.
4. Present regular progress reports on results to internal and external stakeholders.
5. Read academic papers, journals and textbooks to keep abreast of developments and identify areas for future development of the research.
6. Attend training courses where appropriate to deliver the objectives of the post.
7. Carry out any other duties designated by a line manager and which fall within the general ambit of the post.

### Planning and Organising:

1. Plan own day-to-day activity within the framework of the agreed research programme.
2. Contribute to the planning of research projects, reports and publications etc usually 1-6 months in advance.

### Resource Management Responsibilities:

1. Ensure research resources are used in an effective and efficient manner.
2. Provide guidance as required to support staff and industry partners who may be assisting with research.

### Internal and External Relationships:

1. Liaise with research colleagues and support staff on routine matters.
2. Make internal and external contacts to develop knowledge and understanding and form relationships for future collaboration.
3. Attend and contribute to relevant meetings.

### ESSENTIAL CRITERIA:

1. Degree or equivalent in a relevant area to the project.
2. Experience in analysing search rankings and software development using Python.
3. Experience in working with industry partners.
4. Track record of high-quality research publications in machine learning, or information retrieval (appropriate to stage of career).
5. Experience in successfully contributing to a research project.
6. Ability to contribute to broader management and administrative processes.
7. Ability to contribute to method improvement where required.
8. Evidence of using version control (such as git) for software management.

9. Evidence of strong presentation skills and ability to prepare clear and concise presentation materials.
10. Ability to interact with research colleagues and support staff.
11. Demonstrable intellectual ability.

**DESIRABLE CRITERIA:**

1. Have a PhD in Data Analytics, Applied Mathematics, Computing, Computer Science, Automatic Control Theory or relevant to the project.
2. Experience in open source development.
3. Experience in successfully contributing to EPSRC funded project.