

Candidate Information

Position:	Research Assistant
School/Department:	School of Electronics, Electrical Engineering and Computer Science
Reference:	19/107120
Closing Date:	Tuesday 19 February 2019
Salary:	£27,831 - £32,236 per annum (potential to progress to £35,210 per annum through sustained exceptional contribution)
Duration:	12 Months

JOB PURPOSE:

To be an active member of the research project/team assisting in the planning and delivery of research activity within a specified area so that the overall research objectives of the project are met.

MAJOR DUTIES:

1. Undertake basic research activities that may include fieldwork, interviews, laboratory experiments, critical evaluation and interpretation, computer-based data analysis and evaluation or library research in consultation with the research grant holder or supervisor
2. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
3. Write up results of own work and contribute to the production of research reports, publications and proposals.
4. May contribute to introductory courses, for example, on the use of research methods and equipment.
5. Carry out undergraduate supervision/demonstrating/teaching duties under direction.
6. Carry out routine administrative duties as requested, e.g. arranging research group meetings, maintaining research group website.
7. Read academic papers, journals and textbooks to keep abreast of developments.
8. 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 any students 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 subject relevant to research activity, preferably with knowledge in the area of Artificial Intelligence or Machine Learning.
2. Practical experience in qualitative and quantitative analysis.
3. Sufficient specialist knowledge on the research area of Optimisation and search techniques for complex constraint-based problems.
4. Demonstrable experience in developing frameworks and testing them.

5. Ability to generate innovative ideas that contribute to excellence in learning.
6. Ability to plan a project and deliver it to agreed timelines and ability to work with minimum supervision as well as part of a team.
7. Strong knowledge in mobile development.
8. Experience in statistical analysis using software such as MATLAB or R.
9. Strong knowledge of modern database management systems.
10. General programming ability in standard structured programming languages.
11. Ability to interact with research colleagues and support staff
12. Ability to analyse and communicate effectively.
13. Ability to work well within a team and liaise with industry representatives as part of the Impact-related knowledge transfer.
14. Demonstrable intellectual ability.

DESIRABLE CRITERIA:

1. Already holds or close to achieving a PhD degree in a relevant research area to the project.
2. Active researcher with conference or journal publications.