

**University of Derby Job Description**

# **Job Summary**

## **Job Title**

Researcher in Data Science

## **College**

College of Science and Engineering

## **Location**

Markeaton Street, Derby, DE22 3AW

## **Job Reference Number**

0335-24

## **Salary**

£28,879 to £43,878 per annum

## **Reports To**

Data Science Theme Lead

## **Line Management Responsibility**

No

# **Job Description and Person Specification**

## **Role Summary**

The researcher will assist individual research leaders and teams on a particular project(s) within three identified clusters: Digital Society; Collaborative and Data Centric Engineering; and Digital Health and Well-Being.

The post holder will be involved in generating or collecting data using standard methods, analysing and using appropriate machine and deep learning methods and disseminating research outputs as appropriate. The post holder will provide input into other research activities such as funding bids and publishing high quality publications.

## **Principal Accountabilities**

1. Under the direction of a Principal Investigator, and research Teams leaders, contribute to the development of new knowledge and techniques as appropriate to the research projects being developed within the theme clusters.
2. Contribute to the determination of appropriate research methodologies for the project(s).
3. Analyse research findings and determine the need for further investigation.
4. Contribute to the writing up of research findings and dissemination through publications or seminar and conference presentations.
5. Assist with the preparation of proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes.
6. Support the supervision of postgraduate research students in conjunction with other staff, and provide training and limited teaching as appropriate.
7. Assist in the development of student research skills, for example as part of a postgraduate supervision team.
8. Plan and manage own research activity and initiate research relevant to the theme and three clusters.
9. Where opportunities exist within the research project(s), support the development and delivery of business engagement activities, developing entrepreneurial links with external organisations.
10. Contribute to the writing of collective bids for funding, and, where funders permit, write individual bids for funding with appropriate support.
11. Undertake appropriate training and staff development.
12. Provide guidance as required to other colleagues working on related research project(s).
13. Assist and help informally students working in the same research discipline.
14. Develop internal and external contacts with other academic staff to form collaborative relationships and assist with their research project(s).
15. Understand own development needs and formulate a personal development plan.
16. Observe and implement University policies and procedures.

## **Person Specification**

### **Essential Criteria**

#### **Qualifications**

* PhD or equivalent in Data Science, AI or a relevant discipline

#### **Experience**

* Evidence of an excellent breadth and depth understanding of AI and Data Science models, algorithms, and methodologies
* Evidence of engagement in high-quality research activity
* Experience of writing high quality research publications
* Evidence of a strong publication record in AI and Data Science
* Experience of being involved with writing and developing research bids

#### **Skills, knowledge & abilities**

* An excellent level of using and developing AI projects and applications
* Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods
* Ability to communicate complex information clearly both in writing and presentations
* Analytical ability to facilitate conceptual thinking, innovation and creativity
* Ability to build relationships and work collaboratively with colleagues, internally and externally
* Ability to use initiative and creativity to solve problems in a research context
* Self-motivated and able to work independently and as part of a team

#### **Business requirements**

* Demonstrate competences, core behaviours and supplementary behaviours that support and promote the University’s core value
* Flexible to the needs of others
* Committed to ensuring a high quality student experience
* Committed to a high-performance culture, fostering continuous improvement and driving quality
* Able to take a flexible approach to work

### **Desirable Criteria**

#### **Qualifications**

* Fellowship Status with the Higher Education Academic (HEA)

#### **Experience**

* Experience in leading grant applications
* Strong publication record in leading journals and conferences
* Experience of generating research or knowledge exchange income

# **Benefits**

As well as competitive pay scales, we offer generous holiday entitlement. We also offer opportunities for further salary progression based on performance, and the opportunity to join a contributory pension scheme.

For more information on the benefits of working at the University of Derby go to [the Benefit pages of our website.](https://jobs.derby.ac.uk/display.aspx?id=1912&pid=0&tabId=230)

# **Our People**

The University of Derby is committed to promoting equality, diversity, and inclusion. However you identify, we actively celebrate the knowledge, experience and talents each person brings. Our students come from a wide range of backgrounds; therefore we are particularly interested to hear from applicants who will help our leaders and teams be more reflective of our student population.