

Lecturer in Computer Science (AI/Machine Learning/Data Science) - School of Engineering and Computing - Grade H

Job Description

Purpose

To contribute to the academic development, course management, teaching, research development, and scholarship within the School in the area of Artificial Intelligence, Machine Learning and/or Data Science.

Areas of particular interest include:

- Programming (Java, C#, C++, Python, R)
- AI/ML algorithms and techniques (supervised and/or unsupervised)
- AI/Data Ethics
- Applications of AI/ML
- Data Science techniques and applications
- Explain-ability in AI/ML
- Databases and data management

Duties

1. To make a contribution to achieving the academic objectives in the School through teaching, research, and income generating activities.
2. To act as a module leader for a number of identified modules.
3. To undertake administrative duties relevant to module leadership (administer course registers, assessment records, learning programmes and other records).
4. To engage with the recruitment of students onto courses and to provide appropriate advice on progression and career opportunities.
5. To adhere to quality assurance and enhancement systems to ensure high standards are maintained and the student experience is enhanced.
6. To contribute to the development of the School's commercial activities, including consultancy, training and funded projects.
7. To participate in research as an individual or part of a team.
8. To develop and consolidate contacts with industry/employers and other external organisations.
9. With regards to the nature of your role and its impact upon our students, make an active contribution to and support the improvement of the student experience.
10. To undertake any duties relevant to the School's activities and commensurate with the level of the post, as directed by the Dean of School.

Person Specification

Knowledge, Skills, and Behaviours (Essential)

- Experience of teaching Artificial Intelligence, Machine Learning and/or Data Science in a higher education environment with outstanding delivery and learning support (Application/Interview).
- Undergraduate degree (or equivalent) in a relevant subject (Application).
- A relevant Masters qualification (Application).
- PhD in a relevant area (Application).
- Ability to teach and supervise dissertations up to Masters level (Application/Interview).
- Flexible and innovative approach to teaching and learning (Application/Interview).
- Ability to undertake research/knowledge transfer (Application/Interview).
- Ability to work on own initiative as well as part of a team (Application/Interview).
- IT literate with knowledge of Microsoft programmes and WebCT (or equivalent) (Application/Interview).
- Excellent written and verbal communication skills and the ability to engage with a variety of stakeholders (Application/Interview).
- An understanding of and demonstrable commitment to the University's Values of Achieving Together, Being Proud, Creating Opportunity and Supporting All, as a framework for decisions, actions and behaviours (Application/Interview).

Knowledge, Skills, and Behaviours (Desirable)

- Evidence of publications and /or conference presentation (Application/Interview).
- Formal teaching qualification or membership of Higher Education Academy (Application).
- Active member of relevant professional body as appropriate (Application/Interview).
- An ability to contribute to commercial activities and income generation and to contribute to the enhancement of research within the School (Application/Interview).