The University of Nottingham
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THE UNIVERSITY OF NOTTINGHAM
Role Profile Form

Job Title: Senior Research Developer

School/Department: Computer Science

Job Family and Level: Research and Teaching Level 5

Contract Status: Fixed term, 2 years

Hours of Work: Full time, 36.25h per week. Open to a job share.

Location: Computer Science

Reporting to: Dr Philip Quinlan

Purpose of the Role:

The purpose of this role will be to lead and deliver individual and collaborative research in the Advanced Data Analysis Centre, and make a contribution to the direction of research programmes (namely the UKCRC TDCC) in the School of Computing Science.

The role will be responsible for generating new intellectual understanding/knowledge through the application of knowledge and for developing ideas for application of research outcomes. The development and extension of the UKs first Tissue Directory will require the application of existing data and web technologies but equally exploration of new techniques.

The post holder will sustain and pursue a research plan in software development for the Directory, and will develop new concepts and ideas. Where appropriate, they will develop and win support for innovative research development proposals and funding bids.

	Main Responsibilities
1.	To take the lead on, plan, develop and conduct individual and/or collaborative research objectives, projects and proposals either as an individual or as part of a broader programme.
2.	To acquire, analyse, interpret and evaluate research findings/data using approaches, techniques, models and methods selected or developed for the purpose.
3.	To establish a national reputation and regularly disseminate and explain research findings through leading peer-reviewed national publications (on a sustained basis), conferences and other appropriate media.
4.	To generate income by developing and winning support for innovative research proposals and funding bids.
5.	To manage the application of a range of methodologies, approaches and techniques appropriate to the type of research personally being pursued. Where appropriate investigate and devise research methods and approaches.
6.	To communicate complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media.

Recruitment

7.	To build relationships and collaborate actively with internal and external contacts, nationally and if appropriate internationally to complete research projects and to advance the discipline.
8.	Be responsible for managing and/or monitoring assets and budgets allocated and the use of research resources to ensure that effective use is made of them.
9.	Be responsible for resolving problems to meet research objectives and deadlines.
10.	Be responsible for the safe conduct of work within work area ensuring that the School's arrangements for compliance with the University Safety Policy are implemented.

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	PhD or equivalent in relevant subject area	
Skills/Training	Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media. Sufficient breadth or depth of specialist knowledge in the discipline to develop research programmes and methodologies. Ability to devise, advise on and manage research programmes. Ability to manage resources and an understanding of management processes. High level analytical capability to facilitate conceptual thinking, innovation and creativity. Ability to build relationships and collaborate with others, internally and externally.	Emerging skills in managing and motivating staff.
Experience	Experience of developing research methodologies (software) and devising models, approaches, techniques, critiques and methods. Extensive experience within subject specialism. Experience and achievement in chosen field, reflected in growing and consistent national reputation.	

	Extensive experience and demonstrated success in delivering research relevant results. Extensive experience in working in a service orientated group within an academic setting. Skills in: - C# - .NET Core - Web API and API Management - Elastic Search - JSON	
Statutory/Legal		

The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women's careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.