
School of Computing Science

Research Associate (Re-Comp)

Grade: F

Vacancy Ref: D58303R

Main Duties and Responsibilities

To assist in the research, development and dissemination of the EPSRC Re-comp project. You will be affiliated with the School of Computing Science but will interface regularly with other groups within the University and outside, as required for the realisation of the case studies.

1. Within the team context, the PDRA will take responsibility and carry out independent research associated with specific strands of the ReComp project. This will include the design of appropriate data analytics methods to operate on specific datasets that are part of the ReComp suite of case studies, including (1) genomics data and (2) flood simulation data, and to contribute to the design and development of software architectures underpinned by the models.
2. Contribute to academic dissemination activities, including writing papers and presenting at conferences) as well as help organising dissemination events, eg workshops.
3. Contribute to writing grant proposals to ensure the long-term sustainability of the project

Research Role Profile

As part of our commitment to career development for research staff, the University has developed 3 levels of research role profiles. These profiles set out firstly the generic competences and responsibilities expected of role holders at each level and secondly the general qualifications and experiences needed for entry at a particular level. It is unlikely that any single member of staff will be applying all these competences at any one time but he or she would be expected to display most of them over a period of time.

Please follow this link to our [Research Role Profiles](#)

Person Specification

Knowledge (inc. qualifications)

Essential

- PhD awarded in Computer Science

Desirable

- Knowledge of metadata standards, such as provenance metadata (ie W3C PROV)

Skills (professional, technical, managerial, practical)

Essential

- Strong skills in Data Science and Data Analytics techniques, including working knowledge of Machine Learning theory and libraries
- Strong and proven software engineering skills, with a track record of system development
- Excellent written and oral communication skills
- Ability to carry out independent research within a team

Desirable

- Ability to work as a member of a cross-disciplinary research team and with unfamiliar application domains, including genomics.

Experience and Achievements (paid or unpaid)

Essential

- Working knowledge of cloud computing models and practice

Desirable

- Specific working experience with the Azure cloud
- Track record of research publications, specifically in the area of data analytics, consistent with current experience
- Ability to supervise undergraduate and postgraduate students

Other

- Available for national and international travel
- Available to work weekends as required

For additional details about this vacancy and essential information on how to apply, visit our Job Vacancies web page at <http://www.ncl.ac.uk/vacancies/>