



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Information Visualization, School of Computing



Salary: Grade 7 (£33,199 – £39,609 p.a.)

Reference: ENGCP1098

Closing date: 28 May 2019

Fixed-term until 29 February 2020

We will consider flexible working arrangements

Research Fellow in Information Visualization

School of Computing

Are you an ambitious researcher looking for your next challenge? Do you have a background in information visualization? Do you want to further your career in one of the UK's leading research intensive Universities?

QuantiCode is a large, cross-disciplinary project that is funded by the EPSRC. The project is developing novel data mining and visualization tools and techniques, which transform people's ability to analyse event sequence data. Such data are common in many sectors (e.g., health and retail).

The project is based in the Leeds Institute for Data Analytics (LIDA), and involves collaboration with Leeds City Council, NHS Digital, Sainsbury's, and four other organisations from industry and the public sector. The project ends on 29 February 2020, and you will lead the development and evaluation of a novel interactive visualization tool, which helps users to design and optimise data mining techniques.

Holding a PhD (or close to completion) in Computing or a closely allied discipline, you will have strong software engineering skills in Java, and knowledge and experience of current research in information visualization and human-computer interaction.

What does the role entail?

As a Research Fellow your main duties will include:

- Lead the development of a novel interactive visualization tool, which helps users to design and optimise data mining methods for event sequence data;
- Lead the evaluation of the tool with members of the project team and other researchers;
- Working with and in support of the QuantiCode project to ensure the project is successfully completed;
- Generating and pursuing original research ideas in the appropriate subject area;
- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;
- Communicating or presenting research results through publication or other recognised forms of output;



- Preparing papers for publication in leading international journals and independently writing reports;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the research culture of the School, where appropriate;

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Fellow you will have:

- A PhD (or close to completion) in Computing or a closely allied discipline;
- Strong software engineering skills in Java;
- Ability to develop interactive visualization applications;
- Knowledge and experience of current research in information visualization and human-computer interaction;
- Demonstrated experience of conducting research;
- Good time management and planning skills, with the ability to meet tight deadlines and work effectively under pressure;
- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;
- Proven ability to manage competing demands effectively, responsibly and without close support;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

You may also have:

- Experience of designing and running user evaluations;
- A track record of successful, high quality, publications on visualization or visual analytics;
- Experience in R and/or Pandas.



How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

To explore the post further or for any queries you may have, please contact:

[Professor Roy Ruddle](#), School of Computing

Tel: +44 (0)113 343 1711

Email: r.a.ruddle@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering](#) and the [School of Computing](#). You can find out more about our current staff and their career journeys in our staff profiles booklet, [Footsteps – A Journey in Science](#).

A diverse workforce

The Faculty of Engineering is proud to have been awarded the [Athena Swan Silver Award](#) from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.



Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

