Ref: A2370

FURTHER DETAILS

KTP Associate – Software developer (semantic data and natural language processing)

This position is based in Skipton, United Kingdom (BD23 1FJ).

This position is based in Skipton, United Kingdom (BD23 1FJ).

This 18 month post has been created as a result of a Knowledge Transfer Partnership (KTP) between Lancaster University’s School of Computing & Communications and JBA Consulting (https://www.jbaconsulting.com). This position, with a highly successful, innovative company and a leading university, is a great opportunity for you to participate in an exciting major project and to accelerate your career with the potential for permanent employment on completion.

Jeremy Benn Associates Limited (t/a JBA Consulting)

JBA are engineers, environmental consultants, designers and scientists, committed to improving the natural and built environment and creating sustainable places to live and work. JBA also supports knowledge transfer through sponsorship of the JBA Trust. The JBA Group of companies employs over 600 people, with operations in the UK and other European countries, Asia, Australia and the USA. Clients include national and regional governments, infrastructure (transport, water, energy, telecoms) operators, insurers and reinsurers, NGOs and environmental regulators. Innovation is key with a significant annual R&D budget as well as delivering commercial R&D projects for a number of our clients; JBA's track record includes a place as finalist in the prestigious Royal Academy of Engineering MacRobert Award (for novel applications of GPU-based parallel processing), a number of awards for innovation, design and creativity through the Institution of Civil Engineers and other professional bodies. We have ranked in the top 10 consulting engineering companies in the UK flood and risk management sector consistently since being formed in 1995. We are employee owned and proud to be so.

The University:

The School of Computing and Communications (SCC) at Lancaster University is a research-intensive school employing 50 academic staff, over 40 research staff, and over 100 PhD students. SCC is ranked 7th in the UK by 4* and 3* research and 12th by GPA. SCC is based at InfoLab21, a £15m centre of excellence in ICT. InfoLab21 also houses the Knowledge Business Centre (KBC) which fosters local and regional business development, start-up project incubation, and ICT training. Working with KBC will provide an ideal path to commercial exploitation of the project's research outcomes.
The Job:

Job details

This partnership is concerned with applying novel techniques from software engineering and data science to help in managing and reducing the risks of flooding, which is one of the most important natural hazards in the UK (where one in five households are at risk), and globally. You will develop a robust software platform to support JBA and the JBA Trust in applying new methods for data-driven analysis to help in managing flood risk, building on the results of collaborative research between Lancaster University and the JBA Trust over the last year. The overall aim of the role is to embed these innovations within industry applications so as to deliver benefits for business, communities and government.

This is an opportunity to be involved in an exciting, major project with the potential to have high impact on how technology supports flood risk management in the future.

As a KTP Associate you will be employed by Lancaster University, but will be based at JBA, located at their offices in central Skipton, United Kingdom, close to the Yorkshire Dales National Park and about one hour’s travel from Lancaster University. You will lead this exciting project which will apply cutting edge digital technologies to deliver new ways of storing, processing, sharing and displaying data about flooding, and to promote those innovations to colleagues working on the management of flood risk.

You will work closely with and be supported by the senior management at JBA and academics from the School of Computing and Communications, principally Professor Gordon Blair and Graham Dean. You will be based within one of JBA’s software development teams, where you will work alongside flood risk specialists, interacting with colleagues across several teams and disciplines. You will also be in regular contact with experts from Lancaster University to help guide your work.

The Candidate:

For this post, the ideal candidate is expected to have postgraduate level training (MSc or PhD (preferable)) containing elements of software engineering and/or data science, and experience with some of cloud computing, notebook technologies such as Jupyter (http://jupyter.org), semantic data and/or natural language processing. Training and demonstrable interests in environment or infrastructure engineering would be desirable. Additional attributes in a successful candidate will include good geographical information system or spatial analysis and project management and team working skills, a strong communicator and comfortable delivering written and spoken/visual communications.

In addition to a competitive salary, up to £25,000 depending on the candidate’s previous experience, the reward package includes an additional £3,000 personal training and development budget offering excellent opportunities to further your professional development and support your career progression. You will be encouraged to present papers at national and international conferences.

For further information on Knowledge Transfer Partnerships, please see www.ktponline.org.uk

Informal enquires should be directed to:

Professor Gordon Blair (Lancaster University) Tel: 01524 510303 / Email: g.blair@lancs.ac.uk