



Research Centre

Insight Centre for Data Analytics

Post title

Research Assistant

Post duration

Fixed Term Up to 2 years

Background

The Insight Centre for Data Analytics (<http://www.insight-centre.org>) is a joint initiative between researchers at Dublin City University, University College Dublin, NUI Galway, and University College Cork, as well as other partner institutions. It brings together a critical mass of more than 400 researchers from Ireland's leading ICT centres to develop a new generation of data analytics technologies in a number of key application areas.

The €88m centre is funded by Science Foundation Ireland and a wide range of industry partners. Insight's research focus encompasses a broad range of data analytics technologies from machine learning, decision analytics and social network analysis to linked data, recommender systems and lifelogging. Together, with more than 50 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

The insight centre at DCU brings together 85 full-time researchers and support/administrative staff, drawn from the Faculty of Engineering and Computing, and from the Faculty of Sciences and Health.

Function

We now wish to recruit a Research Assistant on a fixed term contract basis to facilitate the delivery of an industry-sponsored research Targeted Project. Working at the boundary of research and industry, a Targeted Project is a collaborative programme of research between industry and Insight researchers. This role requires in-house development and collaboration with our industry partner to develop a back-end system for a connected health themed research project.

Principle Duties and Responsibilities

Reporting to his/her Principal Investigator the Research Assistant will:

- Support the research group in software and system development for an Insight Targeted Project in the area of personal sensing for connected health, with an emphasis back-end system design and maintenance.
- Contribute to the design and implementation of the project's pre-commercial prototype demonstrators.
- Support the overall the research programme in close collaboration with PhD and postdoctoral level researchers.
- Presentation and documentation of demonstrator systems for our industry sponsor.
- Other tasks relevant to successfully implementing the project's research programme.
- Carry out administrative work associated with the programme of research as necessary

Below are some pointers for the type of experience we require:

- Excellent knowledge of one or more of: Java, C++, PHP, node.js, Objective-C, C.
- Excellent knowledge of scripting languages: Python, Bash, Perl, JavaScript, d3.js.
- Experience working with UNIX, Linux, VMWare, OSX and Windows operating systems.
- Database management skills: MySQL, MongoDB, CouchDB, Neo4j, SQL.
- Creation of RESTful web APIs
- Experience with web crawling, data wrangling, data analysis. □
- Knowledge of web application security.
- Experience of front end frameworks such as Bootstrap and Angular.js is desirable.

Skills

- Excellent written and oral proficiency in English (essential)
- Excellent written and verbal communication and interpersonal skills.
- Proven ability to prioritise workload and work to strict deadlines.
- Ability to work in a team and to take responsibility to contribute to the overall success of the team.
- Strong problem solving abilities.

Minimum Criteria

The ideal candidate will have a primary degree in Electronic and Computer Engineering, Computer Science or a related discipline with strong software and programming skills. Expertise in large-scale system development would be advantageous.

Salary Scale: * €22,396 - € 32,930 per annum

**Appointment will be commensurate with qualifications and experience and will be made on the appropriate point of the salary scale, in line with current Government pay policy.*

Closing date: 28 April 2016

Informal enquiries to:

Prof. Noel O'Connor, Insight Centre for Data Analytics, Dublin City University

E-mail: Noel.OConnor@dcu.ie Phone: +353 (0)1 700 5078

Please do not send applications to this email address, instead apply as described below.

Application Procedure

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 700 5149

Applications should be submitted by email to hr.applications@dcu.ie or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9

Please clearly state the role you are applying for in your application and email subject line:

Job Ref #307 Research Assistant, Insight Centre for Data Analytics

Dublin City University is an equal opportunities employer