Research Centre  |  CNGL
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Post title  |  1. Postdoctoral Researcher
 |  2. Research Assistant (Software Development)
Post duration  |  Up to 12 month contract

**Background and Role**

CNGL is a €40M Academia-Industry partnership that involves researchers at Dublin City University (DCU), Trinity College Dublin (TCD), University College Dublin (UCD), University of Limerick (UL), as well as ten industrial partners, including Microsoft, Symantec, IBM, SDL and Welocalize. CNGL comprises over 150 researchers across the various institutions developing novel technologies addressing key challenges in the global digital content and services supply chain. In addition to central funding from Science Foundation Ireland (SFI) CNGL is involved in a number of European FP7 projects and commercial projects in the area of language technology. CNGL provides a world class collaborative research infrastructure, including excellent computing facilities, administrative, management and fully integrated and dedicated on-site commercialisation support.

At the Centre for Next Generation Localisation (CNGL) in Dublin, Ireland, we have a number of exciting career opportunities available. As part of the Critical Data Auditor project which is funded by Enterprise Ireland, we are seeking to recruit a Postdoctoral Researcher and a Research Assistant.

These positions provide an excellent opportunity for a strong and creative researcher or engineer to further develop their career and to join a highly-regarded, dynamic, well-funded and continually growing research centre in the area of language technology research. The successful candidates will work closely within a team of developers and researchers and with other partners to deliver commercially-viable software solutions and applications built upon existing commercial software.

The successful candidates will become part of the existing research team based at DCU. The team’s location at DCU, just minutes from Dublin city centre, offers a conducive environment to research, collaboration and innovation with a wealth of amenities on campus, including restaurants, the state-of-the-art University Sports Complex and swimming pool and the Helix, one of Ireland’s most impressive arts venues with three separate auditoria.

**Principle Duties and Responsibilities**

Reporting to the principal investigator, the post-holders will be responsible for the following:

- Specification, design and implementation of software to identify sensitive data in large collections of documents, ensuring robust, scalable and efficient natural language processing for classification of documents into different levels of sensitivity.
- Work closely on a day to day basis with CNGL’s researchers and industrial partners in developing software based upon existing commercial and research systems.
- Optimization of code for speed and memory, debugging, and general code maintenance including the use of version control systems (e.g. SVN).
- Specification, design, implementation, and evaluation of software components interacting with existing commercial software.
- Specification, design, implementation, and evaluation of a graphical user interface.
• Implementation and development of unit testing of individual software components to ensure functionality and robustness of software applications.

Experience and Skills Desired

A PhD in an area related to Natural Language Processing (e.g. Computational Linguistics) is required for the position of Postdoctoral Researcher.

A primary degree in Computer Science or Software Engineering is required for the position of Research Assistant and applicants must possess excellent software development skills, with experience in building/designing front-end applications and user interfaces desirable.

Experience with software development an area related to Language Technology, such as Computational Linguistics, Machine Learning, or Information Retrieval, although not required, would present a distinct advantage

Specific skills or experiences of relevance include:

• Excellent knowledge of one or more of: .NET, Java, PHP and a strong interest in software development
• Experience in user-interface and/or front-end design and related technologies, e.g. ASP.net, JSP, MySQL, JQuery, CSS, AJAX, etc.
• Knowledge of user interface design, human computer interactions, or visualisation is highly desirable
• Comfortable working with UNIX and Windows operating systems
• Excellent algorithmic and analytical skills
• Experience in system integration, software testing, or formal evaluations would present a distinct advantage

Ultimately, we are seeking candidates who can carry out focused commercially-driven development projects to set timelines, have excellent communication and team-working skills, can work on their own initiative and are creative in their approach.

Salary: €37,750 - €40,003 (for Postdoctoral Researcher)
€21,850 - €30,200 (for Research Assistant)
*Subject to experience & qualifications

Closing date: 27th November 2012

Informal Enquiries:
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Application forms are available from: http://www4.dcu.ie/hr/vacancies/current.shtml and from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: hr.applications@dcu.ie

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