Applications are invited from suitably qualified candidates for the following position:

Research Centre: Insight SFI Research Centre for Data Analytics

Post Title: Research Assistant

Post Duration: Fixed Term Contract up to 12 months

Dublin City University
Dublin City University www.DCU.ie is a young, ambitious and vibrant University, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise and Transformation', it is committed to the development of talent, and the discovery and translation of knowledge that advances society and the economy. DCU is the Sunday Times Irish University of the Year 2021.

The University is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. It currently has more than 18,000 students enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education. DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on creating a transformative student experience, and its positive social and economic impact. This exceptional commitment on the part of its staff and students has led to DCU's ranking among the top 2% of universities globally. It also consistently features in the world's Top 100 Young Universities (currently in QS Top 70 Under 50, Times Higher Top 150 Under 100).

DCU is placed 84th in the world, in the Times Higher Education University Impact Rankings – measuring higher education institutions' contributions towards the UN Sustainable Development Goals. Over the past decade, DCU has also been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

Background
The Insight SFI Research Centre for Data Analytics (http://www.Insight-centre.org) is an SFI funded Research Centre which brings together researchers from University College Dublin, NUI Galway, University College Cork, and Dublin City University, as well as other partner institutions, Trinity College Dublin (TCD), University of Limerick (UL), Maynooth University (MU) and Tyndall National Institute. It creates a critical mass of more than 400 researchers from Ireland's leading ICT clusters to carry out research on a new generation of data analytics technologies in a number of key application domain areas, such as Health and Human Performance, Smart Communities, Internet of Things, Enterprise and Services and Sustainability and Operations.

The €150m Centre is funded by Science Foundation Ireland and a wide range of industry and European Union 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 the sensor web. Together, with more than 220 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

The Project

The Foireann project in collaboration with the GAA seeks to create a data portal for training attendance of athletes, this involves the analysis of multiple data sources to construct:

- A data warehouse (and associated data pipeline)
- A REST service to provide endpoints to the data warehouse
- A front-end portal to access and view the data.

The Role

The role will involve full stack development starting from the initial analysis of datasets to construct a suitable data pipeline to ingest the data into a data warehouse. The development of a REST service to provide API endpoints to access the data and the development of a front-end portal to view the data.

Duties and Responsibilities

Please refer to the job description for a list of duties and responsibilities associated with this role.

Qualification and Experience

Minimum Criteria

You must hold a primary degree (NFQ Level 8) in a relevant discipline and should have at least have 1 year of relevant experience.

Skills

- Excellent written and oral proficiency in English (essential)
- Excellent written and verbal communication and interpersonal skills
- Proven ability to prioritize 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
- Knowledge/experience of Python, HTML5, CSS, JavaScript, SQL databases is required
- Knowledge/experience of NoSQL Web frameworks Django, Node, REST Services is desirable

Essential Training

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety, Research Integrity and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

Additional Information

Salary Scale: €27,109 - €36,422
Appointment will be commensurate with qualifications and experience and in line with current

Government pay policy.

Closing date: 7th January 2022

Informal enquiries to: Informal enquiries to: Dr. Michael Scriney, michael.scriney@dcu.ie , Assistant Professor, Insight@DCU

Application Procedure
Application forms are available from the DCU Current Vacancies website at https://www.dcu.ie/hr/vacancies-current-vacancies-external-applicants (external applicants).

Applications should be submitted by e-mail with your completed application form to hr.applications@dcu.ie

Please clearly state the role that you are applying for in your application and email subject line: #RF1602 Research Assistant Foireann Project

Dublin City University is an equal opportunities employer.

In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.

The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the DCU Policy Starter Packs