Research Centre
Insight SFI Research Centre for Data Analytics

Post Title
Research Fellow, Data Scientist

Level on Framework:
Level 2

Post Duration
Fixed Term Contract up to 12 months

As part of this role the researcher will be required to participate in the DCU Research Career Framework. This framework is designed to provide significant professional development opportunities to Researchers and offer the best opportunities in terms of a wider career path.

DCU
Dublin City University (www.dcu.ie) is a research intensive, globally engaged, dynamic institution which has developed its own research specialists, established internationally recognized centres of excellence that have substantive collaborative links with leading universities and industrial partners. DCU is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation DCU acts as an agent of social, cultural and economic progress. DCU is Ireland’s fastest growing university and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick’s Campus and CU All hallows campus. DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

The Insight Centre for Data Analytics
The Insight 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), National University of Ireland, 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 Insight Centre is now recruiting for a Research Fellow in the area of Data Science to join the FinAccAI team working on industry research & development projects funded by Enterprise Ireland through Commercialization Fund Awards.

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

Qualifications, Skills and Experience Required:
Applicants must have a PhD in Engineering, Mathematics or Computer Science. Applicants should have a minimum of 4 years relevant postdoctoral research experience or equivalent at Level 2 of the Research Career Framework.

Previous experience at the level of Research Fellow (or equivalent) is preferred. Computer Science, Engineering or a related discipline with strong software and programming skills and relevant experience in computer vision, deep learning, or collaborative filtering.

Candidates will ideally have;
- Knowledge of one or more of: Java, C++, PHP, node.js, Objective-C, C.
- Knowledge of scripting languages: Python, R
- Experience working with UNIX, Linux, VMWare, Docker, OSX or Windows operating systems.
- Experience of developing web services.
- Database management skills: MySQL, MongoDB, SQL.
- Experience of developing machine learning, especially deep learning based applications.
- Experience in one or more deep learning frameworks, such as PyTorch, Tensorflow, Theano, Keras, Lasagne etc.
- Experience of modern techniques and implementations in computer vision.
- 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.
Experience in the following areas is also desirable:

- Python / Micropython experience.
- Experience working with Mysql or MongoDB
- C programming.
- Lora / LoraWAN familiarity.

Competencies:

**Discipline knowledge and Research skills** – Demonstrates the ability to design and implement part of a programme of research (for example by using critical thinking and the application of relevant research methodologies)

**Understanding the Research Environment** – Demonstrates a thorough understanding of the research environment both nationally and internationally, and the ability to contribute substantially to grant applications.

**Communicating Research** – Demonstrates the ability to communicate their research effectively to the research community and wider society (for example by publishing their research in high quality peer reviewed journals) and the ability to teach and tutor students

**Managing & Leadership skills** - Successfully manages research projects including the management and supervision of postgraduates and/or junior research staff.

**Salary Scale:** Research Fellow, Level 2. €54,717

*Appointment will be commensurate with qualifications and experience*

**Closing date: 16th of March 2020**

**Informal Enquiries in relation to this role should be directed to:**
Informal enquiries may be addressed to Dr. Andrew McCarren, School of Computing, Insight Centre for Data Analytics, Dublin City University.

E-mail: Andrew.mccarren@dcu.ie
Phone: 01 700 8456

*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 (External Applicants) website at http://www.dcu.ie/vacancies/current.shtml and also from the Human Resources Department, Dublin City University, Dublin 9. Tel:+353 (0) 1 7005149.

Applications should be submitted by e-mail with your completed application form to hr.applications@dcu.ie or by post to the Human Resources Department, Dublin City University, DCU Glasnevin Campus, Dublin 9, D09W6Y4.
Please clearly state the role that you are applying for in your application and email subject line:
Job Ref #RF1345 Research Fellow, Data Scientist

Dublin City University is an equal opportunities employer and is committed to promoting gender equality reflected in its attainment of the Athena SWAN Bronze Award. Information on a range of university policies aimed at creating a supportive and flexible work environment are available at www4.dcu.ie/policies/policy-starter-packs.shtml.