



**Assistant Professor in Computing  
School of Computing  
Faculty of Engineering & Computing  
Five Year Fixed Term Contract**

**Dublin City University**

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

**School of Computing**

The School of Computing at Dublin City University has earned a strong reputation for excellence in research and teaching. In addition to its existing programmes the B.Sc. in Computer Science degree, the B.Sc. in Computing for Business, the new and innovative BSc in Data Science is the first of its kind in Ireland and is aimed at students who are interested in a career in data analytics and related data science roles. We also offer a range of innovative taught M.Sc. programmes aimed at producing graduates with the professional and personal skills most sought after in the Information Economy.

The School also enjoys a lively, engaging environment for research in many areas of computing, with its numerous Ph.D. and M.Sc. research students producing outputs of significance at the top international level. With close industry links and fee support for EU students, the School's teaching and research programmes reflect the current and anticipated needs of Ireland's industrial and commercial sectors while at the same time meeting the most rigorous national and international academic standards.

### **The Role**

The School of Computing is seeking to appoint an Assistant Professor in Computer Science to join its expanding team of talented academics. The ideal candidate would have a strong research track record in Software Engineering and/or Data Analytics/AI. The successful candidate will contribute to teaching, curriculum development and administrative activities in the School of Computing, across all levels. The appointee must have a demonstrated track record of teaching at B.Sc. (or higher) level and should also have an excellent research track record (including publication in high-quality peer-reviewed journals/conferences, engagement in the supervision of research students, engagement with industry, attracting research funding, and other forms of international research leadership). They will be expected to demonstrate an alignment of their research interests with existing research expertise within the School of Computing.

### **Principal Duties and Responsibilities**

The duties and responsibilities of the position include, but are not restricted to, the following:

#### **Teaching and Learning**

The appointee will be required to contribute directly to degree programmes through excellent research-led teaching, supervision of laboratory sessions, student mentoring and supervision of student projects. Specifically, the successful applicant will be required to (inter alia): Prepare, deliver and assess a range of core Computing subjects at undergraduate and postgraduate levels. This will extend to supporting innovation in teaching, transnational and digital provision of programmes, engaging with international travel, contributing to internationalisation efforts and integrating new technologies as needed. This includes, but is not limited to:

- Supervision of laboratory sessions, and student mentoring.
- Supervising undergraduate and postgraduate student projects.
- Supporting efforts at programme development and delivery.
- Enhancing professional development skills for teaching.

#### **Research and Scholarship**

Engagement in high-quality research activities in the topics mentioned earlier, either independently and in association with one or more existing research groups/centres. This engagement should lead to publications in high-impact factor journals and at high-ranked international conferences. Additionally, the ideal candidate should:

- Show potential to establish an independent research programme (in the topics defined earlier) and attract research funding from competitive research funding schemes and/or industry.

- Show potential to become a research leader of international reputation.
- Participate in research-related administration such as research student hiring/supervision, PhD thesis examination and related duties.

### **Service and Contribution to University and Society**

Contribute to the ongoing direction and strategy within the School, Faculty, University and profession, for example:

- In terms of strategic planning, quality review and improvement processes and external programme accreditations.
- Via involvement with the appropriate professional institution(s) and associated initiatives.
- Developing and delivering the international activities of the School of Computing, including international travel to do so.
- Undertake administrative functions related to the activities of the School of Computing, Faculty of Engineering and Computing, and the wider University. Such duties will be defined by the Head of School and may include some of the following: degree programme coordination; participation on University committees; visits to students on industrial placement within the DCU INTRA programme; student recruitment.

### **Qualifications, Skills and Experience Required**

Applicants must hold an honours degree and have completed a Doctoral qualification in Computer Science / Software Engineering / Data Science. The successful candidate should also have a minimum of three year's relevant postdoctoral or industrial experience, with a record of high-quality university-level teaching and the development of modules related to the sub-topics outlined below.

In addition, the ideal candidate should have:

- An excellent research track record and trajectory, including publication in high-quality peer-reviewed journals/conferences.
- Experience in supervision of research students, engagement with industry and attracting research funding.
- A record of original research with publications in top international journals or, based on career stage, shows exceptional promise in this regard.
- Candidates should demonstrate excellent interpersonal and communication skills consistent with the highest quality of teaching and learning, together with evidence of successful teamwork and a collegial approach.

Applications from persons with research interest/expertise in one or both of the following sub-topics of software engineering / data analytics would be particularly welcome:

- Data Analytics / Machine Learning / Artificial Intelligence / Statistical Data Modelling.
- Software Engineering / Software Testing / Full-stack Development.
- Information Retrieval / Generative Models / Multimodal User Models / NLP.
- Cybersecurity / Data Privacy Preservation Technologies.
- Educational Technologies / Digital Personalised Learning.

### **Essential Training**

Training required for the role should be entered here. At a minimum, the following should be entered in addition to other applicable, role specific mandatory training:

The postholder will be required to undertake the following essential compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when required.

**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](#)**