



Applications are invited from suitably qualified candidates for the following position

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

**Dublin City University**

Dublin City University (DCU) 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’, DCU is a values-based institution, committed to the delivery of impact for the public good. DCU was named Sunday Times Irish University of the Year 2021.

DCU is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. More than 18,000 students are 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 delivering a transformative student experience, and its positive social and economic impact. The university continues to develop innovative programmes in collaboration with industry, such as the DCU Futures suite of degrees, which are designed to equip graduates with the skills and knowledge required in a rapidly evolving economy.

DCU’s pursuit of excellence has led to its current ranking among the top 2% of universities globally. It is also one of the world’s Top Young Universities (QS Top 100 Under 50, Times Higher Top 150 Under 100). In the Times Higher Education University Impact Rankings 2021, DCU ranked 23rd in the world for its approach to widening participation in higher education and its ongoing commitment to eradicating poverty, while it ranks 38th globally for its work in reducing inequality and 89th globally for gender equality.

The university is ranked 23rd in the world and first in Ireland for its graduate employment rate, according to the 2020 QS Graduate Employability Rankings. Over the past decade, DCU has been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

## **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 B.Sc. in Data Science is the first of its kind in Ireland and is aimed at students who are interested in a career in A.I., 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 work of significance at both national and international levels. 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.

### **Role Profile**

The School of Computing is now looking to appoint a number of Assistant Professors in Computer Science to join its expanding team of talented academics. The ideal candidate would have a strong research track record in Computer Science or Software Engineering. The successful candidates will contribute to teaching, curriculum development and administrative activities in the School of Computing, across all levels. The appointees 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 will be expected to demonstrate an alignment of their research interests with existing research expertise within the School of Computing.

### **Principle Duties and Responsibilities**

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

#### **Teaching and Learning**

The appointees will be required to contribute directly to degree programmes through excellent research-led teaching. Specifically, the successful applicant will be required to (inter alia):

- Contribute to the design and development of new modules and programmes and support programme development and delivery, integrating new technologies and teaching modalities as needed.
- Make use of a wide range of teaching and assessment methodologies which foster a deep approach to learning and which equip students with the skills and attributes needed to be lifelong learners.
- Prepare, deliver and assess a range of core Computing subjects at undergraduate and taught postgraduate levels.
- Supervise undergraduate/ taught postgraduate student projects, Intra placements and engage in student mentoring.
- Support transnational and digital provision of programmes, engage with international travel, and in other ways, contribute to internationalisation efforts.

## **Research and Scholarship**

Engagement in high-quality research activities in the topics mentioned earlier, either independently or in association with one or more existing research groups/centres. Additionally, the ideal candidate should:

- Show potential to establish an independent research programme (in the topics defined earlier) and seek/ attract research funding from competitive research funding schemes and/ or industry to support research initiatives.
- Participate in research-related administration such as postgraduate research student hiring/ supervision, PhD progress and thesis examination and related duties.
- Publish new ideas and findings in high impact international journals and conferences, leading to measurable impact via citations.
- Contribute to research dissemination activities such as conferences, seminars, journal editorial roles etc., enhancing the research culture and environment in the School.

## **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 and Experience**

Applicants must hold an honours degree in a related discipline and must 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 candidates should have:

- An excellent research track record and trajectory, including publication in high-quality peer-reviewed journals/conferences.
- Proven expertise acting as principal investigator on funded research projects and evidence of providing leadership and research supervision to their research team. The expectation is that a successful candidate will attract R&D funding to fund their research. Therefore, candidates must show clear plans to apply for major funding from current / future National & International programmes.
- A record of original research with publications in top international journals/conferences, or, based on career stage, shows exceptional promise in this regard.

- Excellent interpersonal and communicative 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 topics of Software Engineering / Computer Science are encouraged. In particular, applications from those with teaching and an impactful research track-record in one or more of the following would be particularly welcome:

- Machine Translation/ Natural Language Processing.
- Full-stack Development.
- Concurrent & Distributed Computing.
- Cyber Security.
- Machine Learning / Artificial Intelligence / Statistical Data Modelling.

### **Further information**

More information on the School, including specific areas of research expertise and details of taught programmes, may be found at: <https://www.computing.dcu.ie/>

### **Essential Training**

The post holder 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***