**Summary**

Candidates are invited to apply for the position of: User Interface Developer. This post will have the primary responsibility of designing and developing user interfaces for next generation eLearning demonstrators on web-based, mobile, and tablet platforms. The development work will be conducted in collaboration with a dynamic, multi-disciplinary research team with the aim of developing innovative user interfaces for next-generation eLearning products.

Key elements of the role include:

- The design and development of user interfaces for web, mobile, and tablet platforms
- The integration of open-source and bespoke technology solutions into engaging and innovative user interfaces
- Working in a dynamic team with a willingness to take on new task and learn new skills
- Participate fully in the realisation of research projects from idea conception, through development to evaluation and user trials.

**Background to the Post**

The Learnovate Centre is an Enterprise Ireland/IDA funded centre of excellence in eLearning. The centre brings together state of the art research in eLearning from our academic partners (Trinity College Dublin, University College Dublin, National University of Ireland Galway, and Waterford Institute of Technology) with the real world business problems of our industry partners. Through focussing on the following four research themes the centre aims to develop innovative industry led eLearning solutions to benefit the Irish eLearning industry.

- Social and informal learning
- Mobile and collaborative learning
- Immersive learning
- Metrics and assessment

As part of the Learnovate Centre team the User Interface Developer will work across multiple projects to develop innovative interfaces to maximize the usability and industry impact of the projects.
Requirements

- Proven experience in UI design and development for web-based and mobile apps
- Experience in Adobe Flex and Flash development
- Experience developing mobile apps for both iOS and Android platforms
- 4+ years experience in web design using HTML, CSS, JavaScript, AJAX, JSON, XML, MySQL
- 3+ years of Java programming
- Proven graphical design experience
- Experience with Service Oriented Architectures and Web Service Integration
- Strong experience with Linux based systems
- Honours degree in Computer Science, Computer Engineering or similar, technical discipline.
- Excellent code optimization and software design principles as well as excellent analytical skills.
- Proven ability to conform to development/web standards.
- Excellent verbal communication and interpersonal skills.
- Proven ability to prioritise own workload and work to exacting deadlines.
- Flexible and adaptable in their approach to stakeholder needs.
- Strong team player who is able to take responsibility to contribute to the overall success of the team.
- Enthusiastic and structured approach to development.
- Excellent problem solving abilities.
- Desire to learn about new products, technologies and keep abreast of new product and technical developments.
- Work well in both a team environment and independently.

Desirable

- Experience with the development of eLearning software and/or knowledge of the pedagogical theories unpinning modern approaches to eLearning.
- Experience with developing Adobe AIR applications for iOS and Android deployment
- Knowledge of programming in Objective-C
- Experience with Video Game Development
  - 2D/3D animation
  - Creation of visual assets
- Experience working in a research driven working environment
- Enthusiasm for the commercialisation of research.

Please Note: No expenses will be paid in travelling to interview.

Department Summary

The School of Computer Science and Statistics at Trinity College Dublin offers a high quality educational experience to undergraduate and postgraduate students along with exceptional research opportunities for professionals in the fields of computer science and statistics. The school is proud of its reputation as an innovative and energetic centre for study and research.
The research interests of the school are wide and varied, ranging from the theoretical to the practical. The school's researchers are at the cutting-edge of their disciplines, working on prestigious research projects with other professionals in their fields, and with access to significant public and private funding and industry support.

**Trinity College Dublin**

Founded in 1592, Trinity College Dublin is the oldest university in Ireland and one of the older universities of Western Europe. On today’s campus, state-of-the-art libraries, laboratories and IT facilities, stand alongside historic buildings on a city-centre 47-acre campus. Trinity College Dublin is currently ranked 43rd in the top world universities by the Times Higher Education Supplement Global University Rankings 2009 and 13th in Europe. Trinity College Dublin offers a unique educational experience across a range of disciplines in the arts, humanities, engineering, science and human, social and health sciences. As Ireland’s premier university, the pursuit of excellence through research and scholarship is at the heart of a Trinity education. TCD has an outstanding record of publications in high-impact journals, and a track record in winning research funding which is among the best in the country. TCD has developed significant international strength in its research in eight major themes which include globalisation; cancer; genetics; neuroscience; immunology and infection; communications and intelligent systems; nano and materials science as well as Irish culture and the creative arts. TCD aims to become the world reference point in at least one of these areas of research in the next 10 years

**Application Procedure**

Candidates are asked to submit a covering letter and a full CV to include the names and contact details of 3 referees (email addresses if possible), together with a link to an online portfolio of work to:

Vincent Wade, Academic Director Learnovate Centre,

School of Computer Science and Statistics, Trinity College Dublin, Ireland

Tel: +353-1-896-1765

Email: Vincent.wade@scss.tcd.ie

Please also CC application to:

Brenda McGuirk, Learnovate Centre, School of Computer Science, TCD

Email: mcguirbr@scss.tcd.ie