PostDoc Job Opportunity

DUBLIN CITY UNIVERSITY	First Name	Last Name	email		Institute	Address
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Name & contact details for project queries, if different from PI:						
School:	School of Computing					
Research Centre / group affiliation:	CloudCORE					
Research group / centre website:	http://www.computing.dcu.ie/research/cloud-computing/cloud-computing-research-group					

Brief summary of research group / centre activity
The Cloud Computing Research Group is active in research and development projects in key areas of Cloud Computing and has funded positions available for Research Interns and PhD students interested in the area.

The research group consists of 4 main groups which are:

Business Models and Best Practice
Security and Governance
Cloud Services Development and Autonomic Computing
Cloud Applications

Description of postdoctoral project on offer:
The lessons learned and the techniques derived from working with Big Data can be applied to education. In Computer Science education, students spend a considerable amount of time interacting with computer systems, presenting the opportunity for educators to collect substantial analytical data. This data can be used for a number of purposes, including early intervention when issues arise, and course-content improvement.

The proposed project is to examine an online learning platform which has been used in teaching Computer Science at DCU for the last two years and which has been instrumented for the purposes of such analysis. As a result, a large amount of data on student learning data is now available. The project will firstly analyse this data to see what can be learned so far and where the best opportunities lie for further instrumentation. The second phase of the project is to build the next iteration of the learning platform to scale it up to the level of a Massively Open Online Course (MOOC).

The duration of the project will be from 18 months to 24 months.

Please indicate the core skills or disciplines that are required for this position:
Data Mining, Analytics, and Visualization, Web-Programming, Javascript (Node.js desirable)