School of Information Systems (SIS)
Singapore Management University (SMU)

OPENING FOR RESEARCH STAFF

Research Engineer (One-year)
Singapore Management University

Date available: August 1, 2015

Summary

The Singapore Management University School of Information Systems is seeking a Research Engineer to join the Multi-device Adaptive Gestures and Interfaces (MAGI) Project. This project focuses on user interfaces that fuse input and output across smart phones, smart watches, smart glasses, and other devices. Special emphasis is being placed on recognition of gestures using input streams from multiple devices.

Responsibilities

- Develop and evaluate applications that take advantage of multi-device gestures, using recognition technology provided by the MAGI project. Examples of such applications are a driving game, a drumming application, a 3D tennis tutor application, or a guitar tutor application.
- Design open-source APIs that make it easy for Android developers to build cross-device user interfaces using the MAGI recognition technology.
- Develop a plug-in for the IntelliJ IDEA integrated development environment that facilitates development with the new APIs.

Requirements

- Bachelor’s degree in Computer Science (or a related discipline)
- Strong understanding of distributed computing
- Basic understanding of computer graphics
- Good English communication skills (written and oral)
- Experience Java, C++, or related languages.
- Experience with Android programming is also desirable.
- Ability to work as a self-starter, as part of a flexible small-sized team

To apply, please contact Richard C. Davis at rcdavis@smu.edu.sg.

About Singapore Management University’s School of Information Systems

A premier university in Asia, the Singapore Management University (SMU) is internationally recognised for its world-class research and distinguished teaching. Established in 2000, SMU’s mission is to generate leading-edge research with global impact and produce broad-based, creative and entrepreneurial leaders for the knowledge-based economy. SMU education is known for its highly interactive, collaborative and
project-based approach to learning, and for its technologically enabled pedagogy of seminar-style teaching in small class sizes. SMU’s city campus is a state-of-the-art facility located in the heart of downtown Singapore, fostering strategic linkages with business, government and the wider community. 

www.smu.edu.sg

SMU is created to be a premier university internationally recognised for research and education centred on management, social science, analytics and computing. The SMU School of Information Systems (SIS) was created within this context to be similarly recognised internationally for its innovative research and education focused on Information Systems Technology, Information Systems Management, as well as problems and issues at the intersection of IS related technology and management. SIS actively investigates a range of issues related to the managerial and business impacts of IT within firms, across collaboration networks and value chains, as well as across markets and industries. sis.smu.edu.sg

SIS was the first iSchool outside of North America accepted into the iSchools caucus. The iSchools are interested in the relationship between information, technology and people. SIS is an iSchool with strength in information technology, systems and applications, and it concentrates on the uses, users and impacts of information and IT in the context of The World of Business. www.ischools.org