

Research Software Engineer

**Faculty of Science Technology Engineering & Mathematics**

**£32,548.00 to £38,833.00**

**Ref: 15085**

**Fixed Term 36 months contract**

**Based in Milton Keynes**

**School of Computing & Communications**

You will work as part of an interdisciplinary team conducting research as part of the EPSRC funded ‘Citizen Forensics’ project. The project will develop a socio-technical system aimed at promoting collaboration between citizens and the police through the exchange of data gathered using a variety of digital technologies, and will support the investigation of crimes and enhance public safety.

A key challenge of the project is to investigate how adaptive software architectures could support the contextual information flows required to deliver the community-police collaborations envisaged for Citizen Forensics, preserving key properties such as privacy and forensic-soundness. As part of this we plan to explore ways of representing domain knowledge such as policing regulations, forensic requirements for particular investigations and privacy requirements that will enable runtime the runtime adaptation of the system. The project focusses on the challenge of *using and interacting with personal data* in the context of policing by developing insights into how social identities and group behaviours affect the construction and use personal data as evidence. We will use these insights to create a socio-technical system for Citizen Forensics that configures dynamic collaborations between police, citizens and technology, moderated by privacy and forensic-soundness requirements.

**Research Software Engineer**  
As a member of the ‘Citizen Forensics’ project team, you will design and implement software that supports citizen-police collaboration, integrating a variety of data sources that include IoT devices and social media feeds.

You will have strong programming skills, together with a qualification in computing or a related area (or equivalent experience). It is expected that you will have experience of building highly-connected software systems, as well as solid foundation in current software development practices. This includes knowledge of programming development tools (revision control, debuggers, profilers). An interest in digital forensics, security and privacy is desirable.

**Closing date: 12 noon on 18th September 2018**

**Email:**[**STEM-Recruitment@open.ac.uk**](mailto:STEM-Recruitment@open.ac.uk)

An application form and job related information are available from the links located below.  Hard copies and access details for disabled applicants are available from the Recruitment Co-ordinator Rekha Ramesh on +44 (0)1908 659037 or by email (on the link above), quoting the reference number.

**We promote diversity in employment and welcome applications from all sections of the community. The School of Computing & Communications holds an Athena SWAN Bronze Award.**

