ROLE PROFILE

Job Title: Cyber Security Threat Data Analyst - KTP Associate

Theme: Cyber Security

Project: Knowledge Transfer Partnership (KTP): To develop and embed a methodology by which the uncertain likelihood of cyber threats faced by the institution can be better quantified.

School/Department: School of Computer Science

Contract: This post will be offered on a fixed-term contract for a period of 36 months on a full time basis.

Location: JP Morgan, Canary Wharf, London and University of Nottingham, Nottingham, UK

1. Job purpose:

To develop and embed a novel methodology to deliver improved forward assessment of the likelihood of cyber security threats in respect to a variety of uncertain data.

2. Duties and responsibilities:

- Lead and manage the program of work of the KTP project, working closely with the KTP team within JP Morgan and the University of Nottingham.
- Engage with the academic literature and the academic supervisors to identify and adapt key findings to advance the project.
- Engage with the problem domain and the specific environment and requirements of JP Morgan.
- Implement and document algorithms and demonstrator systems for threat assessment based on a variety of data.
- Conduct analysis and document both existing and newly developed approaches to evaluate improvements in performance and utility.
- Coordinate with the team and provide regular progress updates and reporting in oral and written form as required.
- Regularly publish project findings together with the KTP team in leading peer-reviewed international journals and conferences.

3. Special Conditions:

The Associate may be required to travel to other locations within the UK including the University of Nottingham. In addition, occasional international travel may be required.

Person Specification:

	Essential	**Desirable**
Education	- BSc in Computer Science or similar - MSc of equivalent/higher in Computer Science or similar	PhD in Computer Science or similar
Experience/ Skills	- Data analysis - Computational Intelligence - Machine Learning - Statistics	- Data fusion - Experience/knowledge of cyber security - Programming skills
General Skills and Abilities	- Excellent communication and interpersonal skills - Excellent time management and organisational skills - Ability to work to tight deadlines - Ability to work independently and as part of a team - Ability to interface with people with commercial interests and from varied technical backgrounds - Excellent command of written and spoken English - Excellent formal writing skills (e.g. reporting, publications)	Experience of presenting to an audience
Other	- Willingness to travel within the UK - Willingness to travel occasionally internationally	

Due to the requirements of the UK Border and Immigration Agency, applicants who are not UK or EEA nationals and whose immigration status entitles them to work without restriction in the UK will be considered on an equal basis with UK and EEA nationals. Other non-UK or non-EEA nationals whose employment will require permission to work subject to a resident labor market test may only be considered if there is no suitable UK or EEA national candidates for the post. Please visit http://www.ukba.homeoffice.gov.uk/ for more information.

Informal enquiries may be addressed to Christian Wagner, christian.wagner@nottingham.ac.uk. Please note that applications sent directly to this email address will not be accepted.

Knowledge Transfer Partnerships is a government funded technology transfer initiative that supports partnerships between business and universities, placing graduates on challenging, high profile projects. To be eligible for this KTP, candidates must have completed their Masters or PhD in the last few years. Further information is available at: www.nottingham.ac.uk/ktp.