

JOB DESCRIPTION

Job Title:	Post-doctoral Research Fellow in data analytics and machine learning for information trustworthiness (EUNOMIA project)	Grade:	AC2
Department:	Computing & Information Systems	Date of Job Evaluation:	N/A
Role reports to:	Associate Professor in cyber Security		
Direct Reports			
Indirect Reports: Other Key contacts:	EUNOMIA project partners, Faculty Staff and researchers		
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

PURPOSE OF ROLE:

This role relates to EUNOMIA, a 3-million Euro H2020 innovation action project, coordinated by the University of Greenwich. EUNOMIA proposes an intermediary-free, open-source solution to three problems related to online disinformation: (1) Which social media user is the original source of a piece of information? (2) How this information has spread and been modified in an information cascade? (3) How likely is the information to be trustworthy? The particular role relates to the latter.

The specific role relates to developing machine learning based methods for assisting the users in deriving their own conclusions in relation to the trustworthiness of information posted on social media. This work will be carried out under the supervision of Dr. George Loukas and in collaboration with several researchers in the team.

KEY ACCOUNTABILITIES:

Team Specific:

- To produce a technique for assisting the user deriving their own conclusions in relation to the trustworthiness of information posted on social media To experimentally evaluate the performance of the system developed
- To contribute towards the communication of research findings, by participating in the writing of papers
- To work under the supervision of the lead Researcher
- Communicate regularly with project partners to ensure realism and applicability of methods developed

Managing Self

- To work in a flexible manner, ensuring research outcomes are met
- Ability to work on own initiative, but to ask when needing support
- To work with others as part of a research team
- Ability to work to deadlines

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- Ability to work on own initiative without constant supervision
- Ability to work accurately under pressure

Core Requirements

- Adhere to and promote the University's policies on Equality and Diversity and Information Security;
- Ensure compliance with Health & Safety and Data Protection Legislation;
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible.
- Travel to European partner institutions for project meetings, as well as national/international conferences.

KEY PERFORMANCE INDICATORS:

- Meeting project deliverable deadlines
- Preparation and publication of research findings in international peer-reviewed journals and conferences

KEY RELATIONSHIPS (Internal & External): (internal:) Dr. George Loukas, Dr. Ryan Heartfield, Dr. Georgia Sakellari, as well as (external:) the principal investigators of our EUNOMIA partners.

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PERSON SPECIFICATION	
Essential Experience <ul style="list-style-type: none">• High-impact research publications in application areas of machine learning Skills <ul style="list-style-type: none">• Competent software developer• Able to work to strict deadlines Qualifications <ul style="list-style-type: none">• PhD in computer science, engineering, mathematics or a related topic Personal attributes <ul style="list-style-type: none">• We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity	Desirable Experience <ul style="list-style-type: none">• Information trustworthiness• Big data analysis• Social media data analytics Skills <ul style="list-style-type: none">• Strong technical writer Qualifications <ul style="list-style-type: none">• Additional certifications in statistical machine learning or related areas Personal attributes <ul style="list-style-type: none">• N/A