

## JOB DESCRIPTION

<b>Job Title:</b>	Research Fellow 1 (H2020 project EUNOMIA)	<b>Grade:</b>	AC1
<b>Department:</b>	School of Computing and Mathematical Sciences	<b>Date of Job Evaluation:</b>	
<b>Role reports to:</b>	Professor of Cyber Security		
<b>Direct Reports</b>			
<b>Indirect Reports:</b>			
<b>Other Key contacts:</b>	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 research post relates to the integration of the group's machine learning technologies in the EUNOMIA toolkit and user interface. This work will be carried out under the supervision of the Professor of Cyber Security and in collaboration with several researchers in the team.

### **KEY ACCOUNTABILITIES:**

#### **Team Specific:**

- To integrate the research group's techniques for optimising the identification and management of information cascades in social media into the EUNOMIA toolkit
- To develop software for collecting social media data and visualising to the user
- To maintain clear documentation of the code developed
- To contribute to experimentally evaluating the system developed
- To work under the supervision of the lead Researcher
- Communicate regularly with project partners to ensure consistency of methods developed

#### **Managing Self:**

- To work in a flexible manner, ensuring project 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
- 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.

**KEY PERFORMANCE INDICATORS:**

- Meeting project deliverable deadlines

**KEY RELATIONSHIPS (Internal & External):** (internal:) Professor of Cyber Security, Post-doctoral Research Fellows, Senior Lecturer in Disruptive Technologies, as well as (external:) the principal investigators of our EUNOMIA partners.

PERSON SPECIFICATION	
Essential	Desirable
<b>Experience</b> <ul style="list-style-type: none"> <li>Experience building responsive Python applications and backend services.</li> </ul>	<b>Experience</b> <ul style="list-style-type: none"> <li>Experience working with JavaScript and Electron frameworks</li> </ul>
<b>Skills</b> <ul style="list-style-type: none"> <li>RESTful API knowledge and development (e.g., Flask, Django)</li> <li>Good knowledge of and experience working with microservices and containerization (Docker desirable)</li> </ul>	<b>Skills</b> <ul style="list-style-type: none"> <li>Agile, full stack development experience and microservices development</li> <li>Interest in the area of information trustworthiness in social media</li> </ul>
<b>Qualifications</b> <ul style="list-style-type: none"> <li>Degree in computer science or a related area</li> </ul>	<b>Qualifications</b> <ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Personal attributes</b> <ul style="list-style-type: none"> <li>We are looking for people who can help us deliver the <a href="#">values</a> of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity</li> </ul>	<b>Personal attributes</b> <ul style="list-style-type: none"> <li>N/A</li> </ul>