

JOB DESCRIPTION

Job Title: Research Fellow in Cyber Security and Privacy

Grade: AC2

Department: CMS

Responsible to: Professor of Cyber Security

Responsible for: N/A

Key Contacts: Professor of Cyber Security

Standard Occupational Classification (SoC Code):

Non-Contractual Nature of Role Profile: 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 position is part of EU project GANNDALF and relates to studying and addressing the privacy-explainability trade off of explainable AI use in modern cyber-crime investigations. Through agency-to-agency data sharing mechanisms and the deployment of a decision-support toolbox to identify cyber threats, GANNDALF is delivering a customisable and collaborative crime investigation sandbox for scenarios for sophisticated crime investigation. The role holder will help advance our existing work in optimizing explainability strength taking into account privacy and will take on the corresponding pilot implementations and evaluations.

The post is until the end of the project (end of September 2027), but there is scope to extend further.

This is an opportunity to join a particularly vibrant research environment. The university's Centre for Sustainable Cyber Security is recognized by the UK government as one of only nine Academic Centres of Excellence for both Research and Education in Cyber Security: <https://www.ncsc.gov.uk/case-study/the-university-of-greenwich>

KEY ACCOUNTABILITIES

Team Specific:

- To extend and enhance our existing optimisation framework that will balance explainability with privacy risks in cyber crime investigations and agency-to-agency collaborations within the scope of the project.
- To help our integration partners in the project in the integration of our tool with the wider platforms developed by the projects.
- Attend project meetings remotely and physically overseas, some of which in various countries in Europe.
- To take on the implementation of the corresponding pilots and the analysis of their results.

Generic:

- To lead the write-up of corresponding deliverables

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 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 the University's policies on Equality, Diversity and Inclusion and Information Security.
- Ensure compliance with Health & Safety, Data Protection and Equality Legislation.
- Adhere to the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, reflecting the shared responsibility of minimising the University's negative environmental impacts wherever possible.
- Adhere to current legal requirements and best practice relating to digital content and accessibility, including Web Content Accessibility Guidelines when creating digital content.

Additional Requirements:

Undertake any other duties as requested by the line manager or appropriate senior manager, commensurate with the grade

This is a professional, demanding role within a complex organisation with an ambitious strategic plan and agenda for change. The role holder will be expected to show flexibility in working arrangements, including working hours, to ensure that the Centre for Sustainable Cyber Security delivers the required level of service.

Freedom of speech and academic freedom:

In any matter falling under this job description, the university will have particular regard to, and place significant weight on, the importance of freedom of speech within the law, academic freedom and tolerance for controversial views in an educational context or environment. The University's commitments to freedom of speech and academic freedom are set out in the [Freedom of Speech Code of Practice](#). In the event of any conflict between this job description and the Freedom of Speech Code of Practice, the Freedom of Speech Code of Practice will take precedence.

KEY PERFORMANCE INDICATORS:

Performance Indicators will be established in consultation with the Head of Department/School as part of the post holder's annual Appraisal and Professional Development Review and with due regard to the University's KPIs.

KEY RELATIONSHIPS (Internal & External):

The principal investigator and our project partners.

PERSON SPECIFICATION

EXPERIENCE:

Essential Criteria

- Independent subject specific research leading to the publication of original work in peer reviewed publications.
- Experience in providing scientific direction to research work typically under the overall supervision of a principal investigator.
- Specialist knowledge in the discipline to support the research area and to deliver some specialist teaching or training programmes.
- Awareness or experience of winning external funding or supporting winning of external funding.
- Dissemination of research and/or enterprise findings at conferences or symposia.
- Student care and pastoral provision.
- Strong publication record in privacy or explainable AI
- Research experience related to privacy enhancing technologies or explainable AI

Desirable Criteria

- Supervision of student research activities.
- Supervision of postgraduate research students.
- Engagement with national or regional public/cultural sectors/business/industry/professional bodies in respect of research.
- Have worked as part of an EU or other large research project with multiple partners
- Conducting research with human participants

SKILLS:

Essential Criteria

- Specialist research skills appropriate to the appointment.
- Ability to both work independently and (where appropriate) as part of a team.
- Effective communication skills (including external audiences).
- Outstanding organisational, IT communication and interpersonal skills.
- Strong software development skills

Desirable Criteria

- Deliverable report writing

QUALIFICATIONS:

Essential Criteria

- PhD in Computer Science or equivalent

Desirable Criteria

- N/A

PERSONAL ATTRIBUTES:

Essential Criteria

- We are looking for people who can help us deliver the [values](#) of the University of Greenwich: Inclusive, Collaborative and Impactful.

Desirable Criteria

- N/A