| Job Title: | XR software developer (Project SUN, 0.5 FTE, FIXED-TERM 12 months) | Grade: | SG6 (25) |
| --- | --- | --- | --- |
| Department: | Computing & Information Systems | Date of Job Evaluation: | N/A |
| Role reports to: | Professor of cyber Security | | |
| Direct Reports | N/A | | |
| Indirect Reports: Other Key contacts: | SUN 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 SUN, a new international research project funded by Horizon Europe. SUN's consortium will investigate and develop extended reality (XR) solutions that integrate the physical and the virtual world in a convincing way, from a human and social perspective. The particular role relates to the software development of technologies that will help address primarily the cyber security weaknesses of the XR environments. At its core, it includes the development of an intrusion detection system that warns the user when a cyber threat has materialised.
 This work will be carried out under the supervision of Professor George Loukas, Professor Manos Panaousis and Dr. Georgia Sakellari.

**KEY ACCOUNTABILITIES:**

**Team Specific:**
- To develop a testbed for conducting cyber attacks on XR
- To develop an intrusion detection mechanism that will be able to detect cyber threats to XR
- To work under the supervision of the lead Researcher
- To contribute to the integration of the detection mechanism to the overall SUN platform developed by the project partners

**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 and promote the University's Equality and Diversity policies
- Ensure compliance with Health & Safety regulations
- 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
- Adhere to current legal requirements and best practice relating to digital content and accessibility, including Web Content Accessibility Guidelines when creating digital content.
- 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:) Professor George Loukas, Professor Manos Panaousis, Dr. Georgia Sakellari as well as

(external:) the project partners.

| PERSON SPECIFICATION | |
|---|---|
| **Essential** | **Desirable** |
| **Experience**<br>• Development of VR or XR environments<br>• Development of VR or XR cyber security technologies | **Experience**<br>• Intrusion detection systems<br>• Publications on VR or XR cyber security |
| **Skills**<br>• Highly competent software developer<br>• Able to work to strict deadlines | **Skills**<br>• N/A |
| **Qualifications**<br>• MSc in computer science, engineering or a related topic | **Qualifications**<br>• Certifications in XR development |
| **Personal attributes**<br>• We are looking for people who can help us deliver the values of the University of Greenwich: Inclusive, Collaborative and Impactful | **Personal attributes**<br>• N/A |