Software and Data management developer

Closing date: 31st of July

The Cyprus Institute (CyI) is a European non-profit science and technology institution based in Cyprus and led by an acclaimed Board of Trustees. The research aims of the CyI are represented by three research centers: the Computation-based Science and Technology Research Center (CaSToRC), the Science and Technology in Archaeology and Culture Research Center (STARC), and the Energy Environment Water Research Center (EEWRC). Considerable cross-center interaction is a characteristic of the Institute's culture.

The candidate will contribute in research activities in the area of data management, and will be responsible for the development of tools and services (Java), including data analytics. The candidate will also undertake the addition and improvement of modules to an existing web-based scalable data management system as well as the modification of the underlying code, as necessary, to meet the functionality required. The selected candidate will contribute to infrastructure that goes beyond digital humanities and is applied to various research disciplines internationally, specifically with https://clowder.ncsa.illinois.edu/

The rank of the position (Research Assistant or Post-doctoral Fellowship) will be based on the successful candidate's qualifications. *__For a Post-doctoral position, a PhD degree by the starting date is required.__* The duration of appointment will be of a fixed-term period renewable based on performance, funding availability and project needs of the Institute.

Responsibilities

The successful candidate, depending on specialisation, will be carrying out the following activities:

- Contributing in PRACE Dissemination and Outreach activities including PRACE website development, maintenance, and be part of the team engaged in the re-design of the PRACE website.
- Contributing in PRACE Training activities including the development and maintenance of the new PRACE Training portal and related web services
- Maintaining the software which is critical to the functionality of a web-based scalable data management system.
- Planning and implementing new modules to a web-based scalable data management system.
- Adding or improving modules to existing website(s) and modification of the underlying code as necessary, to meet the functionality required.
- Identify opportunities for the further enrichment and advancement of existing web-based scalable data management system (new user interfaces, new features and functionalities etc.).

Required Qualifications
- *A PhD or a Master's Degree in Computer Science, Information Technology, Digital Humanities, Geographic Information System, Physical Sciences, Engineering or any related field. etc.
- Experience in giving talks at scientific meetings

- Experience in statistical analysis, semantic data analysis, geographic information systems, data modeling and software systems.
- Proven experience of handling the latest web-related technologies, design and implementation of the web-based scalable data management system features and user interfaces, development and testing of PHP/JavaScript code.
- Experience with creating apps, virtual environments, geoweb and databases, PHP, HTML, CSS, JavaScript and relational database design is essential.
- Experience in data management and design.
- Experience in Scala, Docker, RabbitMQ, Elasticsearch, C, C++, Python, etc.
- Excellent knowledge of the English language (written and verbal).
- Ability to design user interfaces for multiple devices & knowledge of visualization tools will be considered an advantage.
- High level of communication and interpersonal skills and the ability to adopt to a multicultural/multidisciplinary environment.

Application

For full consideration, interested applicants should process their application at The Cyprus Institute JobBoard (http://jobboard.cyi.ac.cy/) based on the instructions given. Applicants should submit a curriculum vitae including a letter of interest and a list of three references (including contact information) (all documentation should be in English and in PDF Format). For further information, please contact Prof Constantia Alexandrou (director.castorc@cyi.ac.cy). Please note that applications which do not follow the announcement's guidelines will not be considered.

Recruitment will continue until the position is filled.

References: 3

Ref. no.: CaSToRC_WDDM_19_02(2)

Contact Person: Prof Constantia Alexandrou