Internship offer

Company Information	
Name of the hosting organization (*)	Instituto de Astrofísica de Andalucía (IAA-CSIC)
Company Description	The IAA-CSIC coordinates the Spanish participation in the SKA and leads the development of a Prototype SKA Regional Centre fully engaged with Open Science principles. The IAA-CSIC is a leading research institution in Astronomy and Astrophysics awarded with the Severo Ochoa Centre of Excellence Accreditation, in recognition of its cutting-edge research, high competitiveness, ambitious strategic plans, high-quality production, and a great ability to attract talent. The IAA-CSIC is situated in Granada, a historic, vibrant city at the base of the Sierra Nevada mountain range, and only a short drive from the Mediterranean coast.
Company email address	
Company full address – Country (*)	Glorieta de la Astronomía s/n, 18008 Granada, Spain
Company website (*)	https://www.iaa.csic.es
Contact Person - Name and mail	lourdes@iaa.es, sse@iaa.es
Number of employees (*)	More than 150
Your organization is a Start Up? (*)	No
Role Information	
Title of the offer (*)	System/IT engineer position for the development of the SKA Regional Centre Prototype at the IAA-CSIC
Link to the source (*)	http://amiga.iaa.es/p/410-IT_Engineer_protoSRC_position.htm
Role (*)	Sysadmin of the Prototype SRC cluster
Industry (*)	Computing
Functional Area (*)	SKA Regional Centre (SRC)
Location (*)	Granada, Spain
Main duties (*)	- Maintaining the current computing and storage infrastructure of the SRC prototype at the IAA-CSIC. - Contributing to carry out the next expansion of the computing infrastructure of the SRC prototype: identify technical requirements, support the

	upcoming hardware procurement, and support the deployment of the platform expansion.
	- Deploying tools and services on the SRC prototype platform.
	- Providing technical user support.
What **the intern** will learn (*)	To deploy services for making astronomical data and analysis tools shareable across the community according to the FAIR principles.
Further information	The Square Kilometre Array (SKA) project is an international effort to build the largest scientific infrastructure on Earth: a radio telescope with the potential to make revolutionary contributions to Astrophysics, Astrobiology, and Fundamental Physics. Considered the Big Data machine of the 21st century, the SKA Observatory will deliver 600PB of data per year to worldwide distributed data centres: the SKA Regional Centers. They will interoperate in an international network to provide the computing, storage and software platform where the SKA data will be scientifically analysed.
	The successful candidate will be involved in this international project working as part of a multidisciplinary team of astronomers and engineers with a wide expertise in Distributed Computing Infrastructures, Cloud Computing, Data Science and Radio Astronomy.

Duration (*)	Until the 30th June 2022, with additional extensions possible.
Working hours (*)	Unknown. The position comes with a competitive salary, Spanish national health care, as well as funding for hardware equipment and attendance to conferences and meetings with collaborators.
Start Date (*)	As soon as possible.
Apply by (*)	21st May 2021. Full consideration will be given to all applications submitted before the deadline, but the position will remain open to applicants until it is filled.
Date of publication (*) Deadline of publication (*)	As soon as possible. Until it is filled.
Training bursary (*)	No

Candidate Category (*)	–
Level of Education (*): (BA/MA/PhD/Other)	PhD/MSc/BSc degree
Field of Education (*)	Computer science or related fields (e.g. physics, mathematics)
Willing to host person with disabilities (*)	Yes (?) CSIC is a public research organisation in which the right to equality and gender non-discrimination is preserved, while promoting the conditions to real and effective equality of the individuals. Everyone is encouraged to apply.
Language Skills (*)	Proactive candidates with good communication skills in English
Digital Skills	- System administration and application deployment (using e.g Ansible) - Linux environment, bash scripting - Cloud platforms, SaaS, IaaS: virtualisation, Openstack, Ceph, containers and orchestrators (e. g. Kubernetes) - Distributed Computing Infrastructures - Source Control Systems (e.g. GIT)
Other skills requested	In addition to the above, knowledge of the following topics would be a distinct advantage: - Deployment and customisation of JupyterHub - Software development in Python - Science Gateways (e.g. hubzero) - Development and deployment of web services and web applications -Astrophysics domain software
Information for Application (*)	Interested candidates should send their CV, a cover letter (max. 2 pages) stating the motivation for this specific job and suitable background to lourdes@iaa.es and sse@iaa.es, as well as the contact details of three referees that can provide references upon request.

(*) Mandatory Fields

(*) Mandatory fields In Arqus colour: Fields that go visible on the website. The URLs in brown don't go visible.