Job Reference

06_OP_US_Jr

Position

Junior HPC User Support

Data de tancament

Dissabte, 31 Març, 2018

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, and is a hosting member of the PRACE European distributed supercomputing infrastructure. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 460 staff from 44 countries.

Look at the BSC experience:

BSC-CNS YouTube Channel

BSC-CNS Corporate Video

Let's stay connected with BSC Folks!

Context and Mission

The Operations Department ensures the continuous daily functioning of the RES supercomputers and remote access by users both within Spain and internationally. In addition to all the routine maintenance and operations tasks, the Department staff is also heavily involved in planning and designing new systems and support facilities.
We are offering a position for Junior High Performance Computing User Support. We will accept candidatures interested in a part-time work as well as students of Computer Sciences Engineering Degree. There is the option to perform within operations department the Undergraduate Thesis Project related to HPC and supercomputing.

During the first 3 months, the BSC staff will train the candidate in HPC technologies, supercomputers, performance tools and programming models.

**Key Duties**

After the first three months of training, the candidate will take the following responsibilities:

- Resolve the incidences that the Spanish Supercomputing Network (RES) users may have during their executions as well as assist them in developing their applications to obtain an efficient use of the computational resources
- Maintenance of the databases related to the activities and projects of the Center
- Help the User Support and applications consultant group with performance application monitoring and parallel optimization

**Requirements**

- **Education**
  - Having a Bachelor in Computer Science (or related discipline) or currently undertaking the last years
- **Knowledge and Professional Experience**
  - Experience and knowledge in Linux Systems and MySQL
  - Experience in parallel programming models (MPI, OpenMP, threads,...) is an advantage but not a requirement
- **Competences**
  - Capacity to interact and build strong relations with the team
  - Good level of English
  - Good written and verbal communication skills

**Conditions**

- The position will be located at BSC within the Operations Department
- We offer a part-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible hours, extensive training plan, tickets restaurant, private health insurance, home office, fully support to the relocation procedures
- Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona
- Starting date: ASAP

**Applications Procedure**
All applications must include:

- A motivation letter
- A full CV including contact details

**Diversity and Equal Opportunity Employment**

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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