Job Reference

49_CS_PT_RRE

Position

Performance Tools developers - 2 vacancies (RRE)

Data de tancament

Diumenge, 31 Març, 2019

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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 500 staff from 44 countries.

Look at the BSC experience:
BSC-CNS YouTube Channel
Let's stay connected with BSC Folks!

Context And Mission

We are looking for candidates interested in joining the tools team to work on the R+D of BSC performance tools (tools.bsc.es) about capturing and visualizing performance traces.

We are open to different kind of profiles:
- Students: Degree student, Master student or PhD student. Complete your studies while working at BSC with all the flexibility required. Additionally, there is the possibility to do the final project (TFG, TFM) or PhD with us.
- Engineers or PhD degree are also potential candidates for the offered vacancies

Key Duties
- Participation in the group's R & D projects
- Software maintenance, optimization, and new developments

**Requirements**

- **Education**
  - Computer Science

- **Essential Knowledge and Professional Experience**
  - Good programming skills in C, C++
  - Familiarity with code versioning tools
  - At least 2-3 years of experience developing codes

- **Additional Knowledge and Professional Experience**
  - Knowledge of parallel programming models (MPI, OpenMP, ...) will be highly valued
  - Previous experience with performance tools will be highly valued

- **Competences**
  - Ability to work in a team/project
  - Good English communication skills

**Conditions**

- The position will be located at BSC within the Computer Sciences Department
- We offer a full-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, fully support to the relocation procedures
- Duration: Temporary - 2 years renewable
- 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 with a statement of interest, including two contacts for further references - Applications without this document will not be considered
- A full CV including contact details

**Deadline**

The vacancy will remain open until suitable candidate has been hired. Applications will be regularly reviewed and potential candidates will be contacted.
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