143_CS_MBEHPC_RE1

Job Reference

143_CS_MBEHPC_RE1

Position

Industrial data analysis and visualization (RE1)

Data de tancament

Divendres, 20 Juliol, 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 500 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 Mobile and embedded-based HPC within the Computer Science Department at the Barcelona Supercomputing Center is seeking one intern supporting the research on data analytics based on real industrial datasets and algorithms, in collaboration with top class international manufacturing industry.

Key Duties

- Performing on line data analysis of large manufacturing industrial plants
- Study offline optimization techniques in close interaction with industrial machinery providers
- Implementation of algorithm for data sensing in industrial context

Requirements
• Education
  o On going bachelor studies in Mathematics, Statistics, Computational Physics or Computer Science
• Essential Knowledge and Professional Experience
  o Programming languages (C, C++) and scripting languages (Bash, Python)
  o Parallel and scientific programming environments (OpenMP, MPI, scientific libraries like ATLAS, BLAS, etc.) are desirable
• Additional Knowledge and Professional Experience
  o Previous experience in data analytics is beneficial and will be considered
• Competences
  o Ability to work independently, and in the context of a team/project
  o Ability to organize and prioritize heterogeneous workloads
  o Flexible work schedule and availability to travel

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
• 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 - COMPULSORY - 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