Job Reference

37_LS_EAPM_RE2

Position

Junior web application software development (RE2)

Data de tancament

Dimarts, 20 Febrer, 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

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Context and Mission

Join the PELE development team, and help your mate scientific researchers in their protein biochemistry and biophysics studies with our in-house protein simulation software PELE. Speed their research by developing PELE's graphical user interface to allow easily preparing, analyzing, and real-time controlling HPC simulations. Work in an interdisciplinary project involving professionals in computer graphics, data visualization, UX, scientific software, protein modeling, and computational chemistry, while enjoying access to top-level supercomputing facilities and specialized training at the internationally recognized Barcelona Supercomputing Center (BSC).
Key Duties

- GUI development and integration
- Collaborate in the scientific software development of PELE

Requirements

- Education
  - Diploma/Bachelor degree in Computer Science or related discipline

- Knowledge and Professional Experience
  - Knowledge in Python and JavaScript
  - Proficiency in Unity development environment
  - Understanding the fundamentals of software development, design principles, and UX
  - Knowledge of C++ and biophysical modeling will be a plus

- Competences
  - Excellent written and verbal communication skills in English
  - An eye for detail and commitment to software quality
  - Capacity to interact and build strong relations with a diverse members/stakeholder/staff base
  - Ability to take initiatives, prioritize the tasks and work under set deadlines
  - Ability to work both independently and within a team

Conditions

The position will be located at BSC within the Life Sciences Department. The contract will be temporary.

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.
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