Job Reference

581_23_CASE_DPPP_RE3

Position

Lead Artist and 3D data visualization (RE3)

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Dilluns, 01 Gener, 2024
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Job title: Lead Artist and 3D data visualization (RE3)

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, was a founding and hosting member of the former European HPC infrastructure PRACE (Partnership for Advanced Computing in Europe), and is now hosting entity for EuroHPC JU, the Joint Undertaking that leads large-scale investments and HPC provision in Europe. 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 900 staff from 55 countries.

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

We are particularly interested for this role in the strengths and lived experiences of women and underrepresented groups to help us avoid perpetuating biases and oversights in science and IT research.

Context And Mission

At the Visualization Group of the BSC we are looking for an artist to lead the 3D data visualization and videos for science communication efforts.
work with us in the creation of scientific documentaries based on data visualizations.

Check out our previous work on our Youtube channel
The position requires writing and producing animated videos showing the results obtained in research inside BSC, in particular using 3D data visualizations of results. This also requires obtaining funds from European projects, collaborating with CASE and other departments to write proposals, and coordinating with the communications officer in the department to produce videos that increase visibility of the department as a whole.

The position will manage a small team of animators and developers, and coordinate with outside collaborators to produce this videos. One of the responsibilities of the position is to secure financing for the team, and coordinating or taking responsibility for tasks and deliverables in these projects.

**Key Duties**

- FX animation driven by computer simulation datasets, mainly in the form of particles, fluids, or cached geometry
- Coordinate all the pre and post production stages of the movies (writing, production of video and sound, post production)
- Seek and participate actively in european projects
- Coordinate specialized members of the team (animators, motion graphers, writers, programmers) to further the research line of computer programs scripts to convert scientific data to standard 3D formats

**Requirements**

- **Education**
  - Master’s degree in Computer Animation or equivalent

- **Essential Knowledge and Professional Experience**
  - Proficient in Autodesk Maya
  - Advanced skills of Houdini
  - Solid knowledge of a render engine (Arnold, Redshift, Renderman…)
  - Minimum 3+ years of experience in the animation industry (technical department)
  - Experience in FX animation (fluids, particles)
  - Experience in writing and producing video documentaries
  - High level communication skills, in writing and oral, preferably in at least two of Spanish, English, and Catalan

- **Additional Knowledge and Professional Experience**
  - Experience in Nuke and After Effects will be valued
  - Programming skills will be valued (Python, C++, etc)

- **Competences**
  - Excellent written and verbal communication skills
  - Ability to take initiative, prioritize and work under set deadlines
  - Ability to work both independently and within a team
  - Experience coordinating video production teams and calendars
Conditions

- The position will be located at BSC within the CASE Department
- We offer a full-time contract (37.5h/week), a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, restaurant tickets, private health insurance, support to the relocation procedures
- Duration: Open-ended contract due to technical and scientific activities linked to the project and budget duration
- Holidays: 23 paid vacation days plus 24th and 31st of December per our collective agreement
- 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: 1/1/2024

Applications procedure and process

All applications must be made through BSC website and contain:

- A full CV in English including contact details
- A Cover Letter with a statement of interest in English, including two contacts for further references - Applications without this document will not be considered

In accordance with the OTM-R principles, a gender-balanced recruitment panel is formed for every vacancy at the beginning of the process. After reviewing the content of the applications, the panel will start the interviews, with at least one technical and one administrative interview. A profile questionnaire as well as a technical exercise may be required during the process.

The panel will make a final decision and all candidates who had contacts with them will receive a feedback with details on the acceptance or rejection of their profile.

At BSC we are seeking continuous improvement in our recruitment processes, for any suggestions or feedback/complaints about our Recruitment Processes, please contact recruitment [at] bsc [dot] es.

For more information follow this link

Deadline

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

OTM-R principles for selection processes

BSC-CNS is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission and the Open, Transparent and Merit-based Recruitment principles (OTM-R). This is applied for any potential candidate in all our processes, for example by creating gender-balanced recruitment panels and recognizing career breaks etc.
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.
For more information follow this link