**380_22_CASE_DPPP_R0**

**Job Reference**

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**Position**

Master Student - Data Pre&Post Processing (R0)

**Data de tancament**

Dimecres, 16 Novembre, 2022  
Reference: 380_22_CASE_DPPP_R0  
Job title: Master Student - Data Pre&Post Processing (R0)

**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 770 staff from 55 countries.

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

**Context And Mission**

Within BSC-CNS lies the scientific visualization group, which is in charge of designing, creating, and implementing data visualizations and computer interfaces for data manipulation and exploration. The group is involved in academic and industrial projects combining data visualization and analytics. An active line of research is using data and visualizations to improve the sustainability and accessibility of cities. We are looking for a master's student for an internship in data processing and gathering for creating an urban circular economy index.

**Key Duties**
• Collect and organize data for the indes
• Design and implement urban data models
• Create data proxies or equivalents to other countries data sources
• Write a report with the results of the project

Requirements

• Education
  ○ Master's degree related to the key duties for the position

• Essential Knowledge and Professional Experience
  ○ Programming in Python
  ○ GIS and spatial data analysis
  ○ General data analytics and statistics

• Additional Knowledge and Professional Experience
  ○ Geolocated data visualization
  ○ Databases
  ○ Fluency in English

• Competences
  ○ Good communication skills

Conditions

• The position will be located at BSC within the CASE Department
• We offer a part-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, fully support to the relocation procedures
• Duration: 6 months
• 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 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 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

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