Job Reference

243_CS_ASBP_RE1

Position

Part-time Research Engineer in Deep Learning (RE1)

Data de tancament

Divendres, 30 Novembre, 2018

Reference: 243_CS_ASBP_RE1

Job title: Part-time Research Engineer in Deep Learning (RE1)

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

Our research group is working on Supercomputing for Artificial Intelligence, in particular right now with a special focus on Deep Learning. In this context, we have some projects with big companies. The open position will be assigned to one of these projects. The candidate will participate in this project and also in other ongoing exploratory research projects related to Deep Learning (and Artificial Intelligence in general) that are going on in our research group. The candidate occasionally will participate in activities around our research/teaching collaboration with UPC groups.

Key Duties
Implementation of Deep Neural Networks training processes on TensorFlow/Keras/PyTorch.
Help in the design and creation of new models to improve the current models.
Managing workloads on HPC facilities, especially on a BSC-CNS GPU cluster in the process of training the DL models.
Write the related documentation of this activity.
Attend meeting at client offices (Barcelona area) in order to help their development team to put in production the results of the innovation collaboration.

Requirements

Education
- BCs/MSc in Computer Sciences, Telecommunication Engineering, Computer Engineering or equivalent.
- BCs/MSc in Maths and Physics or equivalent.
- We could also consider a candidate who is finishing the final project.

Essential Knowledge and Professional Experience
- Demonstrable good computing skills in Python programming language.
- Demonstrable good knowledge in Machine Learning.
- Basics about Deep Learning and Artificial Intelligence in general.
- Basics knowledge in the use of Deep Learning frameworks as TensorFlow/Pytorch/Keras.
- Basic concepts of computing and specifically about GPUs.

Competences
- Demonstrate self-learning capacity.
- Fluency in English essential: regular written and spoken communication in English will be required.
- Good written and verbal communication skills.
- Ability to take initiative, prioritize and work under set deadlines and pressure.
- Ability to work independently and in a team.

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
- 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: 16/11/2018
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