227_CS_ASEBP_RE1

Job Reference

227_CS_ASEBP_RE1

Position

RE1 \( \Leftrightarrow \) Junior Research Engineer

Data de tancament

Diumenge, 31 Desembre, 2017

Context and Mission of the role

The autonomic systems and eBusiness platform group from the computer science department at the Barcelona Supercomputing Center searches for 1 junior research engineer willing to work on deep learning over High Performance Computing environments. The main objective is to understand and apply neural network models in the financial sector based on convolutional neural networks or recurrent neural networks using package as TensorFlow, Pythorch and Keras.

Responsibilities

- Understand the problem, and contribute to the solution in a specific domain (the domain of the project)
- Study, understand and adapt models already implemented that can be fine-tuned for solving problems in a specific domain.
- Adapt the models based on convolutional neural networks or recurrent neural networks over package as TensorFlow, Pythorch or Keras
- Create synthetic datasets that can be used to create and compare different neural network solutions for a specific domain.
- Prepare project deliverables
- Giving support to new users in the use of the proposal

Requirements
Education
- Bachelor Technical degree (grado técnico) or Bachelor Maths degree
- Master degree in areas related with Machine Learning.
- Knowledge and professional experience
- Domain of Machine Learning methodologies and algorithms
- Knowledge of Deep Learning in general. Knowledge of Convolutional Neural Networks and Recurrent Neural Networks in particular (experience using it will be a plus)
- Domain of Python (and domain of languages for data analysis will be a plus)
- Domain of TensorFlow (and domain of Torch, Keras, Theano will be a plus)
- Knowledge of CUDA (would be a plus)
- Understanding of high performance computing system concepts (would be a plus)
- Excellent knowledge of web usage and information gathering

Competences
In order to be successful in this role the candidate should have:

• Good communication and presentation skills
• Capacity to organize her/his own agenda and work plans
• Team player
• Good level of Spanish language required
• Good level of English (Other languages will be a plus)

Conditions
- The position will be located in Barcelona at BSC within the Computer Sciences department. Some periodical meeting are out of our offices in Barcelona area
- A competitive salary will be provided, matched to the cost of living in Barcelona, depending on the value of the candidate
- Duration of the contract: temporary
- Starting date: 01/01/2018
- Deadline for applications: 31/12/2017
- Internal candidatures will be prioritized

Applications Procedure
All applications must be done through the BSC website, including:

1. Motivation letter and a statement of interest, including two recommendation letters or contacts.
2. 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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