Postdoctoral Researcher in NLP for healthcare

The department of Electronics and Informatics (ETRO) at Vrije Universiteit Brussel (VUB) in Belgium offers a postdoctoral position in NLP and machine learning.

Description of the project:
The successful candidate will work within the frame of a project, funded by the Brussels government, on NLP for healthcare. The project will acquire data from one of the largest hospitals in Brussels (UZ Brussels) and its aim is to perform automated clinical coding and nosocomial outbreak detection. To do so, two important aspects will be investigated: (i) multilingual NLP techniques and (ii) interpretation of NLP models to address tasks such as extreme classification and real-time prediction.

Responsibilities:
- Design and implement innovative algorithms within the aforementioned project,
- Publish the results at top-tier venues in NLP (e.g., ACL) and machine learning (e.g., ICLR), and
- Supervise junior researchers and support in teaching.

Profile and requirements:
- A PhD degree focusing on artificial intelligence, machine learning, and natural language processing or related;
- An excellent academic record with publications in top-tier scientific journals (e.g., TACL) and conference proceedings (e.g., ACL, EMNLP, AAAI);
- Proven programming experience (e.g., Python, C++);
- Fluency in state-of-the-art machine learning frameworks (e.g., Tensorflow, PyTorch);
- Fluency in English and excellent scientific writing and presentation skills;
- Ability and will to support teaching and to (co-)supervise bachelor, master and PhD students.

What we offer:
- A two-year position which upon positive evaluation can be further extended;
- A competitive salary (including holiday allowance) and benefits,
- An international scientific environment driven by excellence in fundamental research,
- Opportunities for travelling to conferences and research visits to international partner research groups (e.g., at Duke University, UCL)

How to apply:
Interested candidates should send:
- a detailed curriculum vitae,
- a motivation letter related to the position’s profile,
- electronic copies of three key scientific publications, and
- the names of two potential referees

to the following contact person: Prof. Dr. Nikolaos Deligiannis via email at ndeligia@etrovub.be by March 22, 2020.

About the team:
The position is within Big Data team at the Department of Electronics and Informatics at Vrije Universiteit Brussel, Belgium. The team is also affiliated with imec, an international R&D and innovation hub in nanoelectronics and digital technologies.