Research engineer position in machine learning

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General Information : The research engineer will work within the MIAI research institute and be part of the Thoth team, which is specialized in computer vision and machine learning, and will be supervised by Julien Mairal. Thoth is one of the most recognized European research team in machine learning and computer vision, participate to several European projects, and has many international academic collaborations (CMU, Berkeley), and industrial ones (Facebook, Criteo, Valeo, Google, Naver Labs).

Objectives: The research engineer will participate to a research project on unsupervised learning of visual representations for remote sensing applications. The work will consist of developing new algorithms in collaboration with other researchers working on the project, and develop efficient software packages that should be both efficient and easy to use for the scientific community.

Location: The research engineers will work at the Inria Rhône-Alpes research center near Grenoble. The unit includes more than 600 people, within 26 research teams and 10 support services. Grenoble is a lively city which hosts many foreign students and researchers. Located in the heart of the French Alps its direct surroundings offer great outdoor recreation including skiing, cycling, and hiking. Grenoble is well-connected to Lyon and Geneva airports and Paris can be reached from Grenoble in 3h by train.

Duration: The contract will be for one year.

Desired Skills: The candidate should have a good expertise in Python and deep learning frameworks such as PyTorch. (S)he should also have a good background in computer science, understand mathematics, and be interested in statistical machine learning.

Education and Experience: We welcome candidates,

- with a master or PhD degrees, and who are interested in the engineering and practical aspects of research.

- or who are young engineers who have recently graduated from an engineering school, and who would like to discover a lively academic research environment (before possibly pursuing later a career in research);

- of course, we also welcome candidates with a previous experience as research engineer.