Two research engineer positions on deep learning

Julien Mairal: julien.mairal@inria.fr
Cordelia Schmid: cordelia.schmid@inria.fr

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

Objectives: One position, supervised by Julien Mairal, will be focused on developing highly effective machine learning libraries to process massive data, based on recent work done in the Thoth team, and participate to research projects involving a new generation of deep learning models for images and videos. The other positions will be supervised by Cordelia Schmid and consists of participating to research projects involving deep learning, computer vision, and robotics. A moderate amount of time will be also devoted to performing system administration tasks such as administrating the GPU cluster of the team.

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: First contract will be for one year, renewable several times.

Desired Skills: The candidates should have some expertise in Python and C++. (S)he should also have a good background in computer science, understand mathematics, and be interested in statistical machine learning. Previous experience with other high-level languages (Matlab, R, Julia), and machine learning libraries (scikit-learn, PyTorch, Tensorflow) would be appreciated.

Education and Experience: We welcome junior candidates,

- who may be 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);

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

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

Salary will depend on experience.