Master Internship 2015
Large Scale Image Classification with Deep Learning

Supervisors
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Keywords
Deep Learning, Convolutional Neural Nets, Extreme Classification, Big Data.

Project Description
Image classification is one of the most challenging problems in computer vision research. The objective is to map a digital image into one or several labels. For this internship, we will explore the optimization of complex image classifiers using convolutional neural networks (CNN) trained with supervised deep learning algorithms. The data for training such complex models will consist of millions of training images belonging to thousands of classes. The objective will be to understand the various techniques to train the CNN models to achieve state-of-the-art image classification performances.

Applicant Profile
- Master Degree or Engineer Student (last year of studies).
- C++ (preferred) or Java
- Python (preferred) or Matlab
- Solid background in mathematics.
- Basic understanding of machine learning.
- Availability for 5 to 6 consecutive months.

Gratification: About 800€ net per month (approx. 1.300 Singapore dollars)

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