Erwan Le Roux

Machine Learning & Computer Vision
erwan.le.roux7@gmail.com

EDUCATION

M.SC RESEARCH   '16-'17
MSIAM Data Science, Grenoble

Continuous optimization, advanced learning methods, stochastic process

M.SC ENGINEERING   '11-'16
ENSIMAG, Grenoble

National Engineering School in Computer Science and Applied Mathematics
Mathematics modelisation, computer vision and programming optimization

EXPERIENCE

INRIA, THOTH TEAM, *Research Intern*   Feb-June'17

Learning action recognition from 3D poses. Master thesis under the supervision of Gregory Rogez and Cordelia Schmid. Key words: Tensorflow, Recurrent Neural Networks, 3D pose estimation

INRIA, THOTH TEAM, *Research Intern*   Jan-July'16

Weakly supervised semantic segmentation of actions using human detection cues.
Internship realized under the joint supervision of Philippe Weinzaepfel and Cordelia Schmid.
Key words: Caffe, Fully Convolutional Neural Networks, Expectation Maximization algorithm

UNIVERSITY OF PENNSYLVANIA, *Exchange student*   Sep-Dec'15

Semester of mathematics and computer vision in the School of Engineering and Applied Science

WALNUT ALGORITHMS, *Data Scientist Intern*   July-Aug'15

Leveraging the latest advances in machine learning to build outperforming financial tools and trading models. Anticipating worldwide market price based on macroeconomic indicators

LABORATORY JEAN KUNTZMANN, *Research assistant*   Feb-May'15

Modern optimization primal-dual algorithm applied to active contour models in image analysis. Research realized under the supervision of Emmanuel Maitre

SKILLS & INTERESTS

Computer language: C/C++, Java, Matlab, Caml
Python, Numpy, Scikit-Learn, Pandas, Pycharm
Scientific Report (Latex), Version Control (Git)

Native Speaker
Professional Proficiency
TOEFL iBT 104/120 (Nov'15)

Specialized framework: Computer vision (OpenCV)
Machine Learning (TensorFlow, Caffe, Spark)
Computer Graphics (OpenGL)

Trail running, Windsurfing
Camp counselor certificate
specialization lifeguarding