Erwan Le Roux

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

R&D Engineer
Machine Learning & Computer Vision

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EXPERIENCE

DATA SCIENTIST, R&D ENGINEER, *D3S, Data Science Strategic Services, Grenoble* Jan'18-
Features extraction from 3D objects with pythonOCC and Tensorflow.
Design of a flexible machine learning tool to predict 3D objects'cost with Scikit-Learn.

RESEARCH INTERN AND RESEARCH ENGINEER, *Inria, THOTH team, Grenoble* Feb-Dec'17
Learning action recognition from 3D poses. Master thesis (Feb-Jun'17) and engineer (Sep-Dec'17) with Gregory Rogez and Cordelia Schmid. Key words: Tensorflow, Recurrent Neural Networks

RESEARCH INTERN, *Inria, THOTH team, Grenoble* 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

DATA SCIENTIST INTERN, *Walnut Algorithms, Paris* 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

EDUCATION

M.SC RESEARCH, *MSIAM Data Science, Grenoble* '16-'17
Continuous optimization, advanced learning methods, stochastic process

EXCHANGE STUDENT, *University of Pennsylvania, Philadelphia* Sep-Dec'15
Semester of mathematics and computer vision in the School of Engineering and Applied Science

M.SC ENGINEERING, *ENSIMAG, Grenoble* '13-'16
National Engineering School in Computer Science and Applied Mathematics
Mathematics modelisation, computer vision and programming optimization

HIGHSCHOOL & PREPARATORY CLASSES, *Lycée Chateaubriand, Rennes* '08-'13
Scientific baccalauréat with highest honour. Two years preparation, specializing in mathematics and physics, to the competitive entrance exams of the top French engineering schools.

SKILLS

Specialized framework:
Machine Learning (Scikit-Learn, Pandas, Spark)
Deep Learning (TensorFlow, Caffe)
Computer vision (OpenCV), 3D CAD (pythonOCC)
Computer Graphics (OpenGL)

Computer language:
C/C++, Java, Matlab, SQL
Python, Pycharm
Development Platform (Windows, Linux)
Version Control (Git)
Scientific Report (Latex)