

Julia Peyre

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Education

- 2015–present **Phd in computer vision**, *Willow, INRIA*.
Learning to reason about scenes with images and language
- 2014–2015 **MSc in statistics**, *MVA, Ecole Normale Supérieure de Cachan*.
Machine learning and vision : graphical models, object recognition, reinforcement learning
- 2011–2014 **Ecole Polytechnique**, *Palaiseau*.
Major in applied mathematics, coursework includes : operations research, applied probability and statistical learning
- 2008–2011 **Preparatory classes in mathematics**, *Lycée Louis-le-Grand, Paris*.
Preparation for the competitive examination to enter the French Grandes Ecoles

Research experience

- Nov-Jan 2015 **Atari games on the Arcade Learning Environment (ALE)**, *Ens Cachan*.
Implementing fundamentals AI agents on Atari 2600 games
- Oct-Dec 2014 **Topic modelling with Latent Dirichlet Allocation (LDA)**, *Ens Cachan*.
Implementation of a smooth version of LDA for document modelling
- Apr–Aug 2014 **Scenario generation for the Unit Commitment Problem**, *UC Davis, Department of mathematics, USA*.
Building decision models for the optimal dispatching of electricity
- Jan-Mar 2014 **Low-rank matrix completion**, *CMAP, Ecole Polytechnique*.
Implementing and comparing recommendation algorithms based on convex optimization

Work experience

- Apr– 2015 **Visiting student**, *Willow, INRIA*.
Learning to localize objects from noisy labels with convolutional neural networks
- Aug–Dec 2011 **Military training**, *School of Saint Cyr*.
Officer's training in the Army

Skills

- Languages **French**, Mother tongue.
English, Professional.
- Computer **Python, Matlab, Torch, Linux**.