

Jean-Baptiste Alayrac

PhD student

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Education

- 2014-Present **École normale supérieure, Paris, France**, PhD.
PhD candidate in machine learning and computer vision at Inria.
Structured learning from video and natural language.
Advised by Simon Lacoste-Julien, Josef Sivic and Ivan Laptev (Sierra and Willow teams).
- 2013-2014 **ENS Cachan and Télécom Paris Tech, Paris, France**, MSc.
Master's degree in mathematics, computer vision and machine learning (MVA).
Obtained with highest honors.
- 2010-2013 **École polytechnique, Palaiseau, France**, Diplôme de l'École polytechnique.
Training in applied mathematics, physics and computer science (EE program).

Experience

- Autumn 2017 **Deepmind, London, UK**, Research internship.
Working in the Deep Learning group.
- Summer 2014 **Oxford University, Oxford, UK**, Research internship.
"Face alignment and its applications". Supervised by Andrew Zisserman (Visual Geometry Group).
- Summer 2013 **MIT, Cambridge, USA**, Research internship.
"Explorations of porosity in fibers".
Advised by Yoel Fink (fibers@mit). Grand Prize for a research internship awarded by the École polytechnique.

Teaching

- 2017-Present **École Normale Supérieure, Paris, France**, Co-supervisor.
Co-supervising Dmitry Zhukov for MSc and PhD with Josef Sivic and Ivan Laptev.
- 2015-2017 **École Normale Supérieure, Paris, France**, Teaching assistant.
"Introduction to statistical machine learning".
Taught with Simon Lacoste-Julien, Jean-Philippe Vert and Francis Bach.

Publications

- Computer Vision **Jean-Baptiste Alayrac**, Piotr Bojanowski, Nishant Agrawal, Ivan Laptev, Josef Sivic and Simon Lacoste-Julien. Learning from narrated instruction videos. In *TPAMI 2017*.
Jean-Baptiste Alayrac, Ivan Laptev, Josef Sivic and Simon Lacoste-Julien. Joint Discovery of Object States and Manipulation Actions. In *Proc. ICCV 2017*.
Antoine Miech, **Jean-Baptiste Alayrac**, Piotr Bojanowski, Ivan Laptev and Josef Sivic. Learning from Video and Text via Large-Scale Discriminative Clustering. In *Proc. ICCV 2017*.
Jean-Baptiste Alayrac, Piotr Bojanowski, Nishant Agrawal, Ivan Laptev, Josef Sivic and Simon Lacoste-Julien. Unsupervised learning from narrated instruction videos. In *Proc. CVPR 2016*. (oral)
- Machine Learning **Jean-Baptiste Alayrac***, Rémi Leblond*, Anton Osokin and Simon Lacoste-Julien. SeaRnn: Training RNNs with Global-Local Losses. Technical report. *equal contribution
Jean-Baptiste Alayrac*, Anton Osokin*, Isabella Lukasewitz, Puneet K. Dokania and Simon Lacoste-Julien. Minding the Gaps for Block Frank-Wolfe Optimization of Structured SVMs. In *Proc. ICML 2016*.
- Misc. Benjamin Grena, **Jean-Baptiste Alayrac**, Etgar Levy, Alexander M Stolyarov, John D Joannopoulos, Yoel Fink. Thermally-drawn fibers with spatially-selective porous domains. In *Nature Communications*.

Miscellaneous

- Programming Matlab, Python, Tensorflow, Linux.
- Languages French (native), English (fluent), Spanish (conversational).
- Sports Rock climbing, Hiking.