Pierre Wolinski

Curriculum Vitæ

Themes: machine learning, deep learning, Bayesian inference, neural network pruning.

Study

2016–2020 **PhD in Computer Science**, *LRI, Paris-Saclay University*, Gif-sur-Yvette.
Defense carried out on March 6th, 2020.
Title: *Structural Learning of Neural Networks*.

2011–2016 **École Normale Supérieure (ENS)**, Paris.
2016: Graduate degree in Mathematics (Physics option), ENS.
2015: Master degree in Mathematics (Probability and Statistics), Paris-Sud University, Orsay.

2008–2011 **Classe Préparatoire aux Grandes Écoles (CPGE)**, *Lycée Fénelon*, Paris.
Physics and Chemistry.

2008 **Baccalauréat**, *Lycée Marie-Curie*, Sceaux.

Experience

2016–2020 **Tutorial Lecturer**, *IUT, Computer Science Department*, Orsay.
Computer Science and Mathematics.

Publications and Prepublications

- *Asymmetrical Scaling Layers for Stable Network Pruning*, 2020;
- *Interpreting a Penalty as the Influence of a Bayesian Prior*, 2020;
- *All Learning Rates At Once*, presented at ECML PKDD 2019;
- *Consistance des méthodes RKHS dans le cadre de la minimisation d'un risque convexe*, Master Thesis, 2015.

Interests

Professional:
- Variational Inference, neural network pruning;
- Neural Tangent Kernels (NTK), random weights (Lottery Ticket Hypothesis, Extreme Learning Machines...);
- anything in algebra that could help to understand the role of the architecture in neural networks.

Personal:
- theater, dance (waltz);
- philosophy, history of science.

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