Thibaut Lienart

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Professional experience

2019 – present **ML engineer**, Alan Turing Institute, ref.: Dr Vollmer.
Freelance core developer with Dr Blaom working on a machine learning toolbox in Julia with a focus on model composition (MLJ.jl on GitHub).

2018 – present **ML engineer**, Catalyst AI, ref.: Mr. Siems.
Freelance advisor and consultant to Catalyst AI, a startup based in Cambridge, UK that offers consulting and training in machine learning to companies – catalystlab.ai.

2018 – 2019 **Postdoc**, University of Melbourne, ref.: Dr Rubinstein.
- Postdoc in adversarial Machine Learning working with Dr Rubinstein on robustness and techniques to defend models from adversarial attacks.

2017 – 2018 **Postdoc**, Imperial College London, ref.: Dr de Montjoye.
- Postdoc in the Computational Privacy Group (CPG) of Dr de Montjoye, working on de-identification techniques for large behavioural datasets and supervising doctoral students.

2015 – 2018 **Head of ML training**, Cambridge Spark, ref.: Dr Urma.
- Development of Python-based machine learning and data science courses for professionals
- Management of the teaching staff: 20+ contractors – cambridgespark.com

summer 2016 **Research software engineer**, *Amazon Research*, ref.: Dr Archambeau.
- Development of a library in Scala for distributed expectation propagation and comparison of performances between VB and EP on a range of large scale problems.

Education

2013 – 2017 **Doctorate**, Department of Statistics, *University of Oxford*.
- Computational techniques for Bayesian inference on graphical models and applications to Bayesian machine learning. (supervisors: Prof. A. Doucet and Prof. YW. Teh).

2013 **Master of Mathematics**, pt.iii of the mathematical tripos, *University of Cambridge*.
- Focus on statistics and probability.

2012 **Master of Mathematical Engineering**, *UCLouvain*.
- Focus on optimisation and signal processing.

Interests

○ Robust and scalable machine learning

○ Optimisation and inverse problems

○ Statistical methodology, applied statistics

○ Outreach (teaching, consulting)

○ Open source software (Julia)