

Michael Arbel

Curriculum Vitae

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🇫🇷 Citizenship: French, Moroccan

Education

- 09-2016 **Gatsby Computational Neuroscience Unit, PhD in Machine Learning**, UK.
Present Kernel methods for density estimation. Supervisor: Arthur Gretton
- 09-2014 **École Normale Supérieure de Cachan, MSc in Computer Science, MVA**, France.
- 08-2015 Graphical Models, Deep Neural Networks, Reinforcement Learning, Object Recognition.
- 09-2011 **École Polytechnique, Ingénieur de l'École Polytechnique, Mathematics and Physics**.
- 08-2014 Statistical Learning & Nonparametric Estimation, Operations Research, Stochastic Calculus

Work experience

- 10-2015 **Computer Vision Engineer**, *Chronocam*.
- 09-2016 Developed algorithms for multi-target tracking for neuromorphic event-based cameras.
- 04-2015 **Graduate Student Researcher, Data Team DI**, ENS Paris.
- 09-2015 Studied the dynamics of recurrent networks that capture long-range dependencies in simple grammars.
- 04-2014 **Graduate Student Researcher, ORFE**, Princeton University.
- 06-2014 Proved an existence and uniqueness result for a class of mean field games with dependence on the control.
- 07-2013 **IT Analyst Intern, Eurofins**, Luxembourg.
- 09-2013 Developed a new business process workflow in Eurofins' Document Management Software.

Publications

Dougal J. Sutherland, Heiko Strathmann, Michael Arbel, Arthur Gretton. Efficient and principled score estimation. *Neural Information Processing Systems (NIPS)*, 2017, *In press*

Competitions and Awards

- 2011–2015 French Government Eiffel Excellence Scholarship
- 2014 Award of Financial Risk Chair of École Polytechnique for the research internship
- 2013 Award for "Outstanding Position Paper" at Model United Nation, New York.
- 2009 Participation to International Mathematical Olympiads, Germany.

Computer Skills

Basic	HTML, SQL
Intermediate	Java, R, Lua
Advanced	Python, C++, Matlab, \LaTeX , Git

Languages

English	Proficiency Level
French	Mother tongue
Arabic	Mother tongue