

Kurt Cutajar

PhD Candidate in Machine Learning



about

Nationality - Maltese
Date of Birth - 1993

languages

English, Maltese
Italian and French

programming

Python, Matlab
Spark, Java
C, JavaScript

interests

Data Science
Machine Learning
Big Data

contact

kurt.cutajar@eurecom.fr
kurtcutajar.com

education

- 2015–2018 **PhD in Machine Learning (Ongoing)** EURECOM, France
Thesis: *Scalable Inference for Gaussian Processes*
Registered under the Doctoral School of Université Pierre-et-Marie-Curie
Supervised by Dr. Maurizio Filippone
- 2014–2015 **MSc in Data Science (Distinction)** University of Glasgow, UK
Class Prize for Best Student in all MSc Computing Science courses
Class Prize for Best Dissertation in all MSc Computing Science courses
- 2011–2014 **BSc in Computer Science + AI (First Class Honours)** University of Malta, Malta
Graduated 1st Place Overall from the Faculty of ICT
Achieved the Dean's List Award for outstanding academic performance

experience

- 2017 **University of Oxford** UK
Visiting Student
Invited by Dr. Michael A. Osborne to join the Machine Learning Research Group to work on probabilistic numerics for Gaussian processes.
- 2012–2014 **Ixaris Systems Ltd.** Malta
Junior Software Developer (Intern)
Three Summer placements involving various programming tasks related to the addition of functionality to the core product of the company.
- 2011 **Bank of Valletta (BOV) plc.** Malta
IT Support (Intern)
Liaising and interacting with the different departments within BOV, assisting in the set-up and maintenance of their hardware/software requirements.

publications

Random Feature Expansions for Deep Gaussian Processes

K. Cutajar, E. V. Bonilla, P. Michiardi and M. Filippone. *International Conference on Machine Learning (ICML)*, Sydney 2017.

Preconditioning Kernel Matrices

K. Cutajar, J. P. Cunningham, M. A. Osborne and M. Filippone. *International Conference on Machine Learning (ICML)*, New York 2016.

Accelerating Deep Gaussian Process Inference with Arc-Cosine Kernels

K. Cutajar, E. V. Bonilla, P. Michiardi and M. Filippone. *Advances in Neural Information Processing Systems (NIPS)*, Workshop on Bayesian Deep Learning, Barcelona 2016.

AutoGP: Exploring the Capabilities and Limitations of Gaussian Process Models

K. Krauth, E. V. Bonilla, K. Cutajar and M. Filippone. *Uncertainty in Artificial Intelligence (UAI)*, Sydney 2017.

Bayesian Inference of Log Determinants

J. Fitzsimons, K. Cutajar, M. A. Osborne, S. Roberts and M. Filippone. *Uncertainty in Artificial Intelligence (UAI)*, Sydney 2017.

Entropic Trace Estimates for Log Determinants

J. Fitzsimons, D. Granzol, K. Cutajar, M. Filippone, M. A. Osborne and S. Roberts. *European Conference on Machine Learning and Practice of Knowledge Discovery in Databases (ECML/PKDD)*, Macedonia 2017.