Pierre Glaser

PHD STUDENT, GATSBY UNIT (UCL)

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I am a 1st Year PhD Student at the Gatsby Computational Neurosience Unit (part of University College London), under the supervision of Arthur Gretton, where I work on the theory of generative models and kernel methods. I hold a master in Theoretical Machine Learning from ENS Paris Saclay (MVA Master), and a MSc. from Ecole des Mines de Paris. I also contribute to the open source ecosystem of distributed computing in Python.

Experience

University College London, Gatsby Unit
London

PHD STUDENT
September 2020 - PRESENT

- Supervised by Prof Arthur Gretton. Working towards getting theoretical guarantees for generative models using kernel methods.

RESEARCH INTERN
May 2020 - September 2020

- Studying Wasserstein-2 Gradient Flows of Divergence functionals in probability space. Supervised by Prof. Arthur Gretton

INRIA, Parietal Team
Paris

SOFTWARE ENGINEER
September 2018 - March 2021

- Full time until September 2019, then part time as a Freelance developer.
- Developing open source projects in the python data science ecosystem, mostly on Machine Learning, parallel computing and serialization. Contributions to `numpy, scikit-learn, CPython` and others. Under the supervision of Olivier Grisel.

MACHINE LEARNING RESEARCH INTERN
April 2018 - July 2018

- Master thesis on embedding noisy categorical variables, under the supervision of Gael Varoquaux (`scikit-learn` founder).

Education

ENS Paris-Saclay (MVA Master)
Cachan

MASTER IN MACHINE LEARNING
2019 - 2020

- *Graduated with highest honours. Followed courses: — Optimal Transport, Reinforcment Learning, Convex Optimization, Proximal optimization, Computational Statistics, Graphs in Machine Leanrning, Statistical Learning, Kernel Methods, Random Matrix Theory*

Mines ParisTech
Paris

MASTER OF SCIENCE
2014 - 2018

- *Graduated with honours. Specialization: Applied Mathematics, Geostatistics*

Conferences

EuroPython 2019, EuroScipy 2019
Cachan

SPEAKER
2019 - 2020

- *Talk on recent advances in distributed computing.*

SuperComputing 21

REVIEWER
2021

Technical Skills

Languages	- Python (all layers of abstraction, knows well machine learning and deep learning frameworks `scikit-learn`, `pytorch`). - Proficient in postgres, R, and *nix environments. Dabbled with Java (courses, scholar projects)
Open Source	- Core contributor of widely used Python libraries (`joblib`, `cloudpickle`, `loky`), used by large machine learning and distributed computing framework such as `scikit-learn`, `dask, ray, spark`... - Core contributions to the Python Programming Language (especially the `multiprocessing` and the `pickle` library).
Miscellaneous	- Music National Advanced Diploma (CFEM) in Classical Piano and Musical Analysis