

Clément Bonet

Curriculum Vitae

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Education

2020
2023

Laboratoire de Mathématiques de Bretagne Atlantique (LMBA), PHD,
Université Bretagne Sud, Vannes, Bretagne, France

Bridging the Gap between Stochastic Methods and Deep Learning.
Supervisors: François Septier, Nicolas Courty and Lucas Drumetz.

2019
2020

Ecole Normale Supérieure Paris-Saclay, Master 2 MVA (Mathematics, Machine Learning and Computer Vision), Cachan, France.

Convex Optimization, Computational Statistic, Probabilistic Graphical Model, Deep Learning, Kernel Methods, Bayesian Machine Learning. High Honors.

2017
2020

Télécom Paris, Paris, France

Majors: Data Science, Random Modelization and Scientific Computing.

Professional Experiences

Teaching Assistant

2022

Linear Regression and Simulation Methods (L3), *Université Bretagne Sud*, Vannes, France

2021

Mathematic Statistics (L3), *Université Bretagne Sud*, Vannes, France

Internships

2020

Research Internship, *MAP5*, Paris, France

Supervisors: Raphaël Lachièze-Rey, Pierre Latouche and Antoine Marchina.

Study of a subsampling algorithm using Gaussian Random Fields (<https://github.com/clbonet/Internship-MVA>).

2019

Data Analyst Internship, *Sodexo Benefits & Rewards Services*, Ixelles, Bruxelles

Establishment analysis of VISA and MasterCard reimbursement data as part of the replacement affiliate scholarship.

2018

Web Development Internship, *ZenyWay*, Paris, France

I developed the frontend interface of ZenyPass, a password manager.

Publications

- [1] Clément Bonet, Nicolas Courty, François Septier, and Lucas Drumetz. "Efficient Gradient Flows in Sliced-Wasserstein Space". In: *Transactions on Machine Learning Research* (2022).

- [2] Clément Bonet, Titouan Vayer, Nicolas Courty, François Septier, and Lucas Drumetz. "Subspace Detours Meet Gromov–Wasserstein". In: *Algorithms* 14.12 (2021), p. 366.

Preprints

- [3] Clément Bonet, Paul Berg, Nicolas Courty, François Septier, Lucas Drumetz, and Minh-Tan Pham. *Spherical Sliced-Wasserstein*. 2022.
- [4] Clément Bonet, Laetitia Chapel, Lucas Drumetz, and Nicolas Courty. *Hyperbolic Sliced-Wasserstein via Geodesic and Horospherical Projections*. 2022.

Other Research Experiences

Reviews I have reviewed at different conferences: AISTATS2022,2023, ICML2022 (Out-standing Reviewer), Neurips2022.

Talks

- 13/12/2021 Subspace Detours Meet Gromov-Wasserstein. Spotlight poster at the Neurips Workshop OTML2021.
- 18/11/2021 Sliced-Wasserstein Gradient Flows. GDR ISIS OTML.

Languages

French	Native Speaker	★★★★★
English	623/677 TOEFL ITP (January 2019)	★★★★☆
German	Abitur in 2015	★★★★☆

Skills

Programming	Python ★★★★★☆, LaTeX ★★★★★☆	
Basic	R, Java, C, C++, SQL, HTML, CSS, Javascript.	
Data Science	Scikit-learn, Pytorch	
Tools	Git	Program Version Control and Program Repositories.
OS	Linux	Daily use.