

# LUC BROGAT-MOTTE

Postdoctoral researcher in machine learning ◊ luc.brogat.motte@gmail.com

## EDUCATION

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<b>ENS Paris-Saclay</b> M.S. MVA Mathématiques, vision, apprentissage. With honours 16.8/20.	2018-2019
<b>Télécom Paris, Engineering School</b> Machine learning. Stochastic processes and scientific computing. GPA : 3.98 / 4.	2016-2019
<b>Lycée Marcelin Berthelot, CPGE MPSI/MP*</b> Preparatory classes : undergraduate intensive course in mathematics and physics.	2013-2016

## EXPERIENCE

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<b>Postdoc on estimation of controlled stochastic differential equations</b> Supervised by Riccardo Bonalli (L2S, CentraleSupélec), and Alessandro Rudi (SIERRA team, INRIA Paris).	2023
<b>PhD in Mathematics and Computer Science, Télécom Paris</b> Key areas: statistical learning theory, kernel methods, optimal transport. Award: 2nd best thesis of IP Paris's computer science department (2024).	2019-2023
<b>Reviewer for international machine learning journals and conferences</b> JMLR, SIAM Journal on Mathematics of Data Science (SIMODS), AISTATS, ECML PKDD.	2019-2023
<b>Teaching assistant, Télécom Paris</b> Teaching tutorials and creating original practical sessions in statistics and machine learning.	2019-2023
<b>Master research intern, Télécom Paris and Aalto University</b> Learning output representations in structured prediction with application to molecule prediction problems.	April - Sept. 2019
<b>Digital Technician at National Institute of Integrative Medicine, Melbourne</b> Web development, computer graphics, and hardware installation.	July 2017
<b>Member of the Student Union, Télécom Paris</b> IT manager. In charge of the 2017 new student orientation week.	2016-2017
<b>Private lessons from middle school to bachelor</b> Computer science, mathematics, and physics.	2014-2018

## LANGUAGES AND SKILLS

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<b>Computer Languages</b>	Advanced: Python, Latex; Proficient: C, Java, HTML, CSS, PHP, SQL, Javascript
<b>Languages</b>	French (native), english (fluent), spanish (basics)

## PUBLICATIONS

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<b>Structured Prediction with Loss Regularization under Output Regularity Assumptions.</b> (Preprint) Luc Brogat-Motte, Florence d'Alché-Buc.
<b>Sketch In, Sketch Out: Accelerating both Learning and Inference for Structured Prediction with Kernels.</b> (AISTATS 2024) Tamim El Ahmad, Luc Brogat-Motte, Pierre Laforgue, Florence d'Alché-Buc.

**Learning to predict graphs with fused Gromov-Wasserstein barycenters.** (ICML 2022)

Luc Brogat-Motte, Rémi Flamary, Céline Brouard, Juho Rousu, Florence d'Alché-Buc.

**Vector-valued least-squares regression under output regularity assumptions.** (JMLR 2022)

Luc Brogat-Motte, Alessandro Rudi, Céline Brouard, Juho Rousu.

**Duality in RKHSs with infinite dimensional outputs: Application to robust.** (ICML 2020)

Pierre Laforgue, Alex Lambert, Luc Brogat-Motte, Florence d'Alché-Buc.