

Main research fields

Machine learning, Missing values, Computational biology.

Research experience

oct 2021 – **INRIA Researcher, Machine Learning, SODA team - INRIA, Saclay.**
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2019 – 2021 **Postdoctoral researcher, Machine Learning, Parietal group - INRIA, Saclay.**

- Developed methods for supervised learning in the presence of missing values.
- Collaboration with Gaël Varoquaux, Julie Josse, Erwan Scornet.

2014 – 2018 **PhD candidate, Machine Learning and Computational Biology, Mines Paristech, Paris.**

- Proposed efficient algorithms and representations for learning from genomic data.
- Advisors: Jean-Philippe Vert, Andrei Zinovyev.

2016 **Simons Institute for the Theory of Computing, UC Berkeley, 3 months.**
Participation upon invitation to the spring 2016 program: *Algorithmic challenges in genomics.*

2014 **R&D intern, Machine Learning, Ariana pharma, Paris, 5 months.**

Developed a predictive algorithm using tumorous molecular and cellular data for the selection of a personalized treatment in oncology.

2013 **Research intern, Biomolecular engineering, David Savage laboratory, Energy Biosciences Institute, Berkeley, 5 months.**

Constructed genetically encoded fluorescent biosensors for monitoring the presence of acyl-CoAs using the bacterial transcription factor FadR.

Education

2010 – 2014 **Ecole Polytechnique, Palaiseau.**

- MSc in Engineering (Diplome d'ingenieur de l'Ecole Polytechnique).
- Cross disciplinary courses, centered around applied mathematics and biology.
- Double degree with Mines ParisTech biotech program.

2007 – 2010 **Classes préparatoires aux grandes écoles, Lycee Saint Genevieve, Versailles.**

Intensive undergraduate program preparing for the national competitive entrance examination of top French Grandes Ecoles. Mathematics and physics program.

Languages and programming skills

- Languages: French (native), English (fluent), Spanish (advanced)
- Programming languages: Python, R, C++