

## Education

- 2021 **PhD candidate "On the junction of Optimal Transport and Deep Learning"** - INRIA Rennes
- 2018 **Master of Science in Technological Innovation sp. data science** - UC Berkeley & Polytechnique
- 2018 **Master of Science in Applied Mathematics and Computer Science** - ENSTA ParisTech
- 2015 **Bachelor in Mathematics and Physics (Double Major)** - University of Western Brittany

## Technical Skill

Programming Python, R, C/C++, Java, MATLAB, L<sup>A</sup>T<sub>E</sub>X, HTML, CSS, SQL, Oracle 11G Enterprise

Concepts Machine learning, Deep learning, Optimization, Statistics, Object Oriented Programming

## Experience

2018-2021 **Python open source library contributor - INRIA, Rennes**

I have been a contributor of the optimal transport python library "Python Optimal Transport (POT)".

May. 2018 **Research Assistant - University of British Columbia, Vancouver**

The purpose of this 6 month research intrnship is to work on optimization for optimal transport. I also work on new optimization algorithms for generative adversarial networks (GANs) and to tackle the non convex saddle point problem. I work under the supervision of Mark Schmidt.

Sept. 2017 **Research Assistant - University of California, Berkeley**

The purpose of this 8 month research project was to develop and to improve the analysis of sparse distributed variance reduction algorithms. I worked under the supervision of Fabian Pedregosa.

May 2017 **Research Assistant - University of Otago, New Zealand**

The purpose of this 4 month internship was to study and to model the 'Zitterbewegung' behavior of a Dirac field over a sphere. I also implemented a framework in Python.

## Language

**French** (Native), **English** (Fluent), **Spanish** (Basics, student)

## Associations

**TAPage - Communication student organization of ENSTA ParisTech**

Designation President

Role I was president of ENSTA ParisTech's communication student organization. I managed 11 communication projects with a 40.000-euro budget. My team was composed of 30 people.

**FUPS - Music Festival of Paris-Saclay University**

Designation Co-founder and vice president

Role I am the co-founder and I was the vice president of the first student music festival between University Paris-Saclay's schools. This project had a 14.000-euro budget and had gathered 800 people. The team was composed of 60 people.

## Extra-Curricular Activities and Achievements

2018 TOEIC 975/990

2016 Winner of the 'EY prize' for the FUPS student organization (6000 euros awarded)

2016 IEEE members and IEEExtrem hackathon participant

2010 Sports-study program in cycling and vice department champion of cycling race