TN DATA-

PhD Student at INRIA Sophia Antipolis

TRAINING

2016-2019

Master's degree in Engineering at Ecole Centrale de Lille One of the top multidisciplinary engineering schools in France Common core: Aero/Hydrodynamics, Thermodynamics, Signal processing, Project management, Materials science etc...

Specialization: Option DAD (Decision & Data Analysis): Probability and statistics, optimization, machine learning ...

2018-2019

Applied Mathematics (Master 2) at Université de Lille

Functional analysis, Stochastic process, Itô integrals, Statistical physics

2018

M.O.O.C.: Machine learning, Stanford University

Online courses on Coursera

2014-2016 Classes Préparatoires aux Grandes Ecoles

PROFESSIONAL EXPERIENCE

2019

Research internship at **EMBL-EBI** in Cambridge

6 months

Final year intership in **Virginie Uhlmann's research group**. Improving detection and tracking of individual Mycobacteria smegamtis in time lapse microscopy images of growing colonies, using graphical

models and convolutional neural networks.

SKTLLS

German (—) (()

LANGUAGES

French (

English (

Spanish (

2018 4 months **R&D Internship** at **NU!** (startup in Paris)

Research, development and documentation on a product recognition system for a "connected fridge" using image processing. **Experimentation** on several methods from simple image differences (OpenCV) to neural networks for object recognition (Tensorflow).

2018

Research project: in computer science with **CRISTAL**

Initiation at research work on the subject of matrix factorization for recommendation systems. Study of research publications and implementation of machine learning and optimization algorithms to produce such recommendation systems such as used with Netflix or Spotify.

2016-2018

Group project: «Hôpital sous tension»

Use of multi-agent systems to simulate and observe sources of tension in the emergency services of the Hospital Center of Lille in partnership with computer science laboratory CRISTAL.

2017 4 weeks

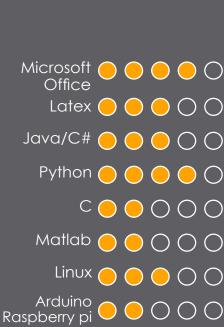
Internship at Thales Skycenter Innovation Lab

HOBBIES

Creation and presidency of a **graphic arts club** at Ecole Centrale de Lille aiming at sharing skills and techniques among the students and also organize creation workshops and training.

Art: Drawing, Making posters, logos, paper craft, 3D modeling / animation (Blender 3D) (personal portfolio)

Music: Electric and acoustic auitar



Catia V5

Photoshop (

Illustrator (

Blender 3D () ()