



ANTOINE HABIS

Currently enrolled in a PhD with Institut Pasteur in Computer vision applied to histopathology.

PROFILE

Passionate about the application of mathematics in machine learning, I decided to embark on a thesis in which I can fully do what I love while seeking to make my work useful.

Education

Polytechnique

Master's degree

Sept. 2019 – Oct. 2020

- Master in data science studying mathematical models for Machine Learning, Deep Learning and optimization algorithms.

Telecom-paris

Engineer's degree

Sept. 2017 - Jul. 2019

- Random modeling and stochastic calculations,
- Data science: Machine Learning, Deep Learning, Optimization, Computer vision

Stanislas Paris

Sept. 2016 - Jul. 2017

Intensive program

- Two-year of intensive program in mathematics and physics preparing for the national competitive exam for entry to top engineering schools.

Saint-Jean de Passy

Sept. 2013 - Jul. 2015

Highschool degree

- French High School Diploma in Sciences obtained with highest honours.

Experience

PhD with Institut Pasteur and Télécom-Paris

Feb. 2021 - still

In the framework of the European project Big-Picture, the objective of the thesis is to develop an intelligent annotation algorithm for histopathology. By providing an easy to use and interactive tool for the labeling of images, it will allow to segment anomalies thanks to neural networks and to assign a score according to their severity.

R&D Internship at Showroomprive

May. 2020 – October 2020

Designed an image-based recommendation system for clothes with state-of-the-art algorithms for the purpose of understanding clothing style. Also developed a fast image-based algorithm to detect duplicates on the whole company's clothe database.

Software involved: Dataiku DSS, AWS (REDSHIFT, EC2, S3)

Programming language: Tensorflow, SQL, Python, keras

End-of-first-year project

April 2018

- Analysed URLs generated by the users of Georges Pompidou's computers to observe the effectiveness of the french Family Allocations Office's website (CAF) by comparing the shortest path to any page and the average path length taken by the users.

Programming language: Python

Teaching mathematics

Still

- Give math private lessons to High School and college students

Languages

- *French: Native speaker*
- *English: Fluent (TOEFL score: 100/120)*
- *Spanish: Advanced*

Personal interests

- Practiced tennis for 10 years (level 15.2)
- Passionate about cinema

CONTACT

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<https://github.com/antoinehabis/SD>

TECHNICAL SKILLS

- DATAIKU DSS : Advanced
- AWS : REDSHIFT, EC2, S3
- Python : Advanced
- C++ : Good
- R: Good
- LateX : Advanced
- GIT : Good
- Excel : Advanced
- Java : Good

GPA : 3.5