

# Mathis Linger

## DATA SCIENTIST

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## Summary

An hardworking and resourceful data scientist with extensive understanding of mathematical and machine learning methods seeking a data science position starting on March 2020. I am strongly interested in natural language processing and vision subjects, and more generally in web development. Experience of undertaking analytical work and research projects with tight deadlines.

## Education

### MS in Data Science

ENSAE PARIS (ÉCOLE NATIONALE DE LA STATISTIQUE ET DE L'ADMINISTRATION ÉCONOMIQUE)

Palaiseau, France

2018

### M.Sc in Statistics and Econometrics

TOULOUSE SCHOOL OF ECONOMICS

Toulouse, France

2017

### B.Sc in Mathematics and Economics

UNIVERSITY FRANÇOIS-RABELAIS / UNIVERSITY OF MONTRÉAL

Tours, France - Montréal, Canada

## Work Experience

### Expert machine learning

BNP PARIBAS CIB, DATA & AI LAB

Paris, France

May. 2018

- Implemented an optical character recognition system. Supervised interns on this subject.
- Developed a face recognition system from video cameras.
- Developed an online clustering algorithm for news articles, as well as the backend and frontend of the web application.
- Organized the second edition of the BNPP AI Summer School, a 2 days event gathering 22 academic speakers and 300 data experts
- Worked on NLP/Vision subjects and development of back and front end of web applications

### Data Scientist, Research and Development team

TINYCLUES

Paris, France

Apr. - Sep. 2017

- Clustering of retailer's products, using users' behaviors
- Tuned model's features to improve performances and investigated predictive anomalies
- Research and benchmarking of new ML libraries
- Made use of various machine learning techniques applied to marketing issues, presentations each month

### Research Assistant in Economics

CHAIRE TRANSITIONS DÉMOGRAPHIQUES TRANSITIONS ÉCONOMIQUES, LOUIS BACHELIER INSTITUTE

Paris, France

Apr. - Sep. 2016

- 1. "Appetence For Mutual Insurance Companies Services: What Really Matters?" with Bénédicte Apouey (Paris School of Economics) Research paper investigating the relation between individual preferences and the appetite for mutual insurance companies services
- 2. "Moral fiscal en Costa Rica: un análisis socio-demográfico de cultura tributaria" with Montserrat Botey (Laboratoire d'économie d'Orléans) Research paper investigating the determinants of tax morale in South American countries
- Undertook research projects and statistical analysis, presentations each week

## Coding Competitions

### Google Hashcode 2019

top 5% - 342/6671 worldwide - 30/659 in France

### CFM Data Challenge

5/84- Volatility prediction in financial markets

### Hackathon caisse des dépôts

3/30 - Creation of web application to monitor financial reports

### Hackathon ARAFER/CRE

3/23 - Creation of mobile application for energy consumption

## Languages and Technical Skills

### Languages

French (native), English (fluent)

### Programming Languages

Python, Javascript (NodeJS, ReactJS), C++

### Other technos

Git, Docker, Linux, Elasticsearch, Mongo DB

## Hobbies and Interests

### Sport

Handball (N3), workout, running

### Travels

Road trip in the United-States