

EDUCATION

ENS Paris-Saclay — MVA Master (Mathematics, Vision, Learning)

2023-2024

Specialization year (Master 2), 4.0 GPA

Paris, France

Statistical learning, Learning for text and graph data, Probabilistic graphical models, Distributed and large scale optimization, Time series, Computational statistics, Reinforcement learning, Generative models for images, Deep learning for medical imaging, Learning and Generation through Random Sampling

École des Ponts ParisTech — Engineering degree

2020-2024

Student in the track Applied Mathematics and Computer Science (Master 1), 3.85 GPA

Paris, France

Machine learning, Deep learning, Stochastic processes, Convex optimization, Operations research, Statistics

Lycée Chateaubriand — Preparatory classes

2018-2020

Studying for the selective exams for entry to top french engineering schools

Rennes, France

Mathematics, Physics, Computer science

PROFESSIONAL & ASSOCIATIVE EXPERIENCES

AI Research Scientist — intern

April 2024 - Present

JP Morgan Chase

Paris, France

- Working on LLMs (Large Language Models) for mathematical reasoning tasks
- Worked on synthetic data generation in natural language
- Worked on synthetic data generation in Lean (proof assistant)

Data Scientist — intern

January 2023 - July 2023

EDF

Paris, France

- In charge of the conception and realization of a tool for anomaly detection in time series
- Designed a benchmark of anomaly detection methods
- Developed an API exposing anomaly detection methods with database anomaly storage
- Developed a web interface for the visualization of the spotted anomalies

Software Engineer — intern

June 2022 - December 2022

Theodo — M33 group

Paris, France

- Full stack developer (AWS Serverless / Symphony / Spring Boot — React / Angular)
- Developed in an agile environment
- Developed a *back-office* for an e-commerce player: a platform to integrate new products into their database with a system to recognize existing products
- Developed a support platform aimed at business owners for an investment bank

In charge of a mission

April 2022 - August 2022

For a GAFAM

Paris, France

- Formalized 200 problems from mathematical olympiads
- Translated the problems in *lean* (proof assistant) and in *latex* (language for composing documents)

Technical manager — volunteer

April 2021 - June 2022

Student's Computer Club of École des Ponts ParisTech

Paris, France

- Developed web applications for the school and for the students
- Managed and maintained the servers and the cloud, deployed the websites created by the association and by other students
- Repaired the computers of students, refurbished old computers for refugees

LANGUAGE & COMPUTER SKILLS

French :	Native
English :	Fluent, TOEIC 990/990
German, Spanish :	Intermediate
Computer languages :	Python, C++, R, OCaml, TypeScript, PHP
Web technologies :	Full Stack : Django, Flask, Node Serverless — React, Angular

ACTIVITIES & CENTERS OF INTEREST

Music : Second cycle certificate in accordion, *Regional Conservatory of Rennes (individual and group practice for 10 years)*

Sports : Rowing and running in university team, swimming and rollerblading in competition, mountain biking

Travels : Exchange at the *Czech Technical University of Prague - Geometrical Aspects of Spectral Theory*