Bastien LE CHENADEC

bastien.le-chenadec@eleves.enpc.fr
linkedin.com/in/bastien-le-chenadec
github.com/bastienlc
bastienlc.github.io

EDUCATION

ENS Paris-Saclay — MVA Master (Mathematics, Vision, Learning)   **2023-2024**
Specialization year (Master 2), graduated with highest honors, 12 courses validated   *Paris, France*
Statistical learning, Learning for text and graph data, Probabilistic graphical models, Distributed and large scale optimization, Time series, Computational statistics, Reinforcment learning, Generative models for images, Deep learning for medical imaging

École des Ponts ParisTech — Engineering degree   **2020-2024**
Student in the track Applied Mathematics and Computer Science (Master 1)   *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 - September 2024**
JP Morgan Chase   *Paris, France*
- Worked on LLMs (Large Language Models) for mathematical reasoning tasks
- Developed a custom symbolic algebra system for synthetic data generation in natural language
- Developed a meta-programming framework in Lean for synthetic data generation through forward reasoning
- Submitted one paper to NeurIPS 2024 and one to MATH-AI 2024

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 — volonteer   **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*