

Martin Cuingnet

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[🌐 Personal website](http://personal.martin-cuingnet.com)

Education

Master MVA (Mathématiques Vision Apprentissage)

MATHEMATICS AND ARTIFICIAL INTELLIGENCE

NLP, CONVEX OPTIMIZATION, TIMES SERIES, STATISTICS,...

École Normale Supérieure (ENS) Paris-Saclay

2025–2026

Computer Science Research Master's – MPRI

THEORETICAL COMPUTER SCIENCE COURSES

DEEP LEARNING COURSE

COMPUTER VISION COURSE

École Normale Supérieure (ENS) Paris-Saclay

2024–2025

Bachelor's in Computer Science

INTENSIVE COMPUTER SCIENCE AND MATHEMATICS CURRICULUM

STATISTICAL LEARNING COURSE

École Normale Supérieure (ENS) Paris-Saclay

2023–2024

Classe Préparatoire – MPSI/MP

PREPARATORY PROGRAM FOR FRENCH ENGINEERING SCHOOLS – MATHEMATICS, PHYSICS, AND COMPUTER SCIENCE

2021–2023

Scientific Baccalauréat

Lycée Janson de Sailly

2019–2021

Skills

- Proficient in **Python** (especially the **PyTorch** library), **OCaml**, **C++**
- Strong foundation in mathematics and computer science
- Frequently work with **Large Language Models (LLMs)** and follow the latest developments in the field through active reading of current research literature
- Strong background in **Machine Learning**
- Experience with **Rust**, **Scala**, **JavaScript**, and **GDScript**

Projects and Research

Molecule Captionning

ENS Paris-Saclay

December 2025 – January 2026

Course project where we used Graph Transformers and LLMs to do molecule captionning. You can find the git repo [here](#).

Graph Clustering and Community Detection

ENS Paris-Saclay

October 2025 – December 2025

Course project where we implemented graph clustering using a random weighted graph model along with an EM algorithm. You can find the poster [here](#) and the git repo [here](#).

Multivariate Temporal Dictionary Learning for EEG

ENS Paris-Saclay

October 2025 – December 2025

Course project where we performed dictionary learning for multivariate EEG time-series data. You can find the git repo [here](#).

Master's Internship

University College London

March 2025 –

Five-month research internship with [Aldo Lipani](#) and [Jerome Ramos](#), studying LLM-powered **web agents** using a **dynamic policy library**. We are currently writing a paper for **ICLR**. You can find the report [here](#) and the git repo [here](#).

Face Editing Project

ENS Paris-Saclay

January 2025

Course project where we implemented live face editing using PCA-learned face features along with GANs and VAEs. You can find the code [here](#).

Bachelor's Internship

Aix-Marseille University

June 2024 – August 2024

Two-month research internship with [Abdellah Fourtassi](#), studying the use of a **Transformer model** to predict turn-taking in conversations, particularly between children and adults. You can find the technical report [here](#).

Other Projects

2020–2026

You can find more details about my projects on my [website](#).

Other Activities



- Sports: **Running** 🏃, **Badminton** 🎾, and occasionally swimming
- I play the **Saxophone** 🎷 in my school marching band
- Acted in several plays (including semi-professional productions) after completing a **theatrical curriculum** 🎭 at the Conservatoire.
- I also like reading 📖 and crochet 🧶.

Referees



Aldo Lipani

University College London

ASSOCIATE PROFESSOR IN MACHINE LEARNING AT UCL AND MEMBER OF THE WEB INTELLIGENCE GROUP

ALDO.LIPANI@UCL.AC.UK

Abdellah Fourtassi

Aix-Marseille University

FOUNDER OF THE COMPUTATIONAL COMMUNICATIVE DEVELOPMENT TEAM

ABDELLAH.FOURTASSI@GMAIL.COM

Benedikt Bollig

Formal Methods Laboratory, CNRS

RESEARCH DIRECTOR

BOLLIG@LMF.CNRS.FR