

Academic and Professional Background

2022 – 2025 PhD – Artificial Intelligence Artificielle Cognitive Sciences

Télécom Paris

- Design of energy- and memory-efficient AI algorithms for embedded machine learning. Publication of contributions at international conferences (WACV2024, NeurIPS2024, ICML2025, ICLR2026, and currently under review at TMLR).
- Involvement in teaching, student supervision, and outreach activities to disseminate my research.
- Design and implementation of an EEG/ECG signal collection protocol during attentional tasks.
- In-depth literature review in the fields of AI compression and Cognitive Science.

2021 – 2022 Consultant – Data Science Division

Headmind Partners

- 3-month audit mission at L'Oréal – Classification of HR reports based on their ethical or discriminatory nature using Natural Language Processing.
- 6-month project within Société Générale's Finance department on the topic of intraday liquidity.
- Research and development work on internal NLP projects..

2018 – 2021 Engineering Degree – M2 Data, Learning and Knowledge

Dual degree Télécom Paris – Sorbonne Université Sciences, Paris VI

- Research internship at ENS Ulm, Department of Cognitive Studies (DEC). Study of the emergence of human language models through genetic algorithm optimization of neural networks.
- Training across the various fields constituting Artificial Intelligence and Data Science.
- Labourer internship, WWOOFing at an arboretum in Scotland.

Skills

Informatic/Coding

- Python (Pytorch, Pandas, Sklearn, Tensorflow, Tensorboard, Open AI gym, Django, Matplotlib, PySpark)
- Linux/Debian
- Windows
- Script Shell
- SQL

Data Science

- Machine Learning
- Deep Learning
- Reinforcement Learning
- Natural Language Processing
- Advanced Statistical Inference
- Computer Vision

Language

- English (C1, Toefl 2019 : 111/120)
- Spanish (A2, elementary)
- Italian (A2, elementary)

Research

- Scientific monitoring
- Definition of a research question and plan
- Design and implementation of the experimental protocol
- Collaborative research and student supervision
- Statistical analysis of results
- Paper writing and dissemination of scientific output

Engineering

- Requirements specification
- Proof of concept development
- Unit testing and performance benchmarking of the proposed solution
- Scaling and deployment in a real-world environment
- Monitoring of the deployed solution

Activities et Interests

Living abroad Kuwait then Nigeria from 2003 to 2011

Travels Benin, Belgium, Germany, Greece, Italy, Japan, Jordan, Lebanon, Netherlands, Oman, Portugal, Qatar, Syria, Spain, Thailand, United Arab Emirates, United Kingdom, United States, Yemen

Sport Running (Paris Marathon 2021), Climbing, Surfing, Muscle strengthening, Hiking, Yoga

Interests Acting, Exhibitions, Literature, Cognitive Science