




Sinoué GAD

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OBJECTIVE

Master's student in mathematics/computer Science with a focus on **data Science and AI**, seeking a **a job opportunity** in Machine learning and Artificial Intelligence starting **September 2025**. Strong background in **AI development, Machine learning, Generative AI** and **project leadership**.

EXPERIENCE

- **AI research engineer at Ampere software technology**  March 2025 - Present
Internship - Research project in autonomous vehicles Paris, France
 - Conducting research to develop a real-time model for high-level semantic understanding of road scenes, leveraging state-of-the-art Computer vision, Generative AI (VLM and visual reasoning architectures) and training techniques (reinforcement learning).
- **AI engineer at X&Immersion**  June - August 2024
Internship - Research project in multimodal Artificial Intelligence Paris, France
 - Developed and implemented an optimized AI model focused on emotional intelligence generation, using NLP and LLMs.
 - Integrated the model into a real-time game engine (Unreal Engine), optimizing performance for in-game use.
- **President of INTV: video association of Télécom-sudParis**  2023-2024
President
 - Led a team in video production, overseeing editing, 2D/3D compositing, VFX, and event organization.
 - Directed project planning and team coordination for video and multimedia benefits.

PROJECTS

- **Deepseek's Reinforcement Learning Method (GRPO)** April 2025
 - Implemented GRPO for vision-language models, as it was not yet available in Hugging Face.
 - Patched the Unsloth package to enable VLM training with GRPO.
- **Hackaton participant** January 2024 - June 2024
 - Participant in the **D4GEN** hackathon for Biotechnology Innovation. Awarded **3rd** place out of 55 research teams. Proposed a novel machine learning approach for dermatological diagnosis, outperforming dermatologist-level accuracy.
 - Participated in the 5th edition of the **Hi! PARIS hackathon**, hosted by École Polytechnique and HEC Paris — a data science competition focused on water shortage forecasting. Our team ranked 8th out of 60.
- **Kaggle competition participant** September 2024 - Present
 - Participated in Kaggle competitions both independently and within academic teams. Applied time series forecasting, regression models, and neural networks to challenges such as turnover prediction and glucose level forecasting in diabetic patients.

EDUCATION

- **Politecnico di Milano** September 2024 - February 2025
Master 2 Track computer science/AI - Academic exchange Milan, Italy
 - Relevant coursework: Data mining, Foundations of AI, Deep learning, Uncertainty in AI, Computer vision.
- **Télécom-SudParis/ Institut polytechnique de Paris** 2022 - Present
Master in computer science, specializing in data science Evry, France
 - Relevant coursework: Probability Theory, Statistical Modeling, Numerical Optimization, Stochastic Processes, Machine Learning and Deep Learning, Data Mining, Computer Vision, Software Engineering.
- **Lycée Blaise Pascal** 2020-2022
Preparatory classes for engineering school (MPSI-MP)* Clermont-Ferrand, France
 - Relevant coursework: Theoretical Physics and Mathematics.

SKILLS & INTERESTS

- **Programming Languages:** Python, C, Java, SQL, Shell
- **Data science tools:** Pytorch, Tensorflow, Scikit-learn, OpenCV, GIT, HuggingFace, Matlab
- **Softwares:** Adobe Creative Suite, Davinci Resolve, Blender, Microsoft Office
- **Languages:** French: native speaker, English: full professional proficiency (C1), Arabic: simple interactions (A2)
- **Softskills:** Team management, Project management, Creativity, Adaptability, Stress management
- **Rowing:** 7 years of rowing - **French vice-champion in 2018** as **Stroke** in a Quad
- **3D Artist:** 8 years of practice on Blender: [my artistic account](#) and [my youtube channel](#)