



MEIRINHO HUGO

DATA/ML/AI ENGINEER

CONTACT

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🌐 [hugom25.github.io](https://github.com/hugom25)

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SKILLS

- Problem-solving
- Creativity
- Adaptability
- Machine Learning
- Python, C, C++
- Pytorch
- Data Engineering
- Deep Learning
- Transformers, LLM, VLM
- Reinforcement learning
- MLOps
- Cloud (Azure)

LANGUAGES

- French (Native)
- English (Fluent)
- German (Basic)
- Italian (Basic)

HOBBIES



PROFILE

Machine Learning AI Engineer skilled in RAG pipelines, autonomous agents, and surrogate models that turn costly simulations into real-time predictions. Proven at bridging research and production to deliver data-driven solutions that boost efficiency, accuracy, and innovation



WORK EXPERIENCE

Sonceboz SA

FEB 2025 - JULY 2025

ML Engineer (internship)

- Built and integrated surrogate ML models (Autoencoders, Multitask NNs) into MBSE pipelines, cutting simulation time from 1 minute to <1 ms and enabling real-time optimization.
- Developed RAG-powered AI agents for document translation, intelligent parsing, and component replacement suggestions, reducing manual engineering workload.
- Created an internal PyTorch library to simplify model training for non-experts, boosting adoption of deep learning within engineering teams.

Synapticon

AUG 2023 - FEB 2024

Automotive Test Verification Engineer (internship)

- Automated servo drive performance testing with Python, Docker, and Jenkins, reducing test execution time 3× and improving CI/CD efficiency.
- Built and maintained test environments and benches, ensuring reliable validation across diverse motor types.



EDUCATION

Computer Science Engineering Master's degree

2020-2025

University of Technology of Belfort Montbéliard (UTBM), France

French Baccalauréat, Science major, english-language european section with honors

2017-2020

Armand Peugeot, Valentigney, France