

MORGAN GIRAUD

ML engineer and Tech lead

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<https://morgangiraud.com>

PROFILE SUMMARY

Passionate ML & Web engineer, skilled in Python, and its diverse set of ML frameworks (TF, PyTorch, JAX). Also proficient in JS/TS and web app engineering. Experienced in working with on-site and remote diverse teams.

Notable experiences:

- **Team Leadership:** Led the technical team on a project that generated millions of euros in benefits.
- **Open-Source Contribution:** Core original contributor to the open-source library, [tf-encrypted](#), for privacy-preserving machine learning in TensorFlow, accepted at the NeurIPS 2018 PPML workshop.
- **Research:** Completed a research internship on grounded language learning and modality fusion. Find the [annotated slides here](#).
- **Entrepreneurship:** Founded Explee in 2012 as the CTO, an online platform for creating animated videos.

SKILLS

- Proficient in Python with experience in Jax, Pytorch and TensorFlow (Local and Distributed Settings).
- Average knowledge of CUDA and Triton.
- Extensive experience in infrastructure engineering (AWS, Docker, Linux) and development processes (CI/CD, Git, etc.).
- Proficient in TypeScript/JavaScript and PHP. Notion of C++ and Golang.
- Fluent in French and English, with limited working proficiency in Italian.

EDUCATION:

Telecom SudParis - Engineer's Degree (MSc in Comp. Sci.)

2009 - 2012

Leading graduate school of engineering and part of the Institut Mines-Télécom, a top institute for Information and Communication Technology in France.

Berthollet - Classes préparatoire

2007 - 2009

Intensive courses in advanced mathematics and physics, preparing for the highly selective entrance exams to the French "Grandes Ecoles."

WORK EXPERIENCE (ordered by date)

WoW Studio | Tech lead

Apr 2022 – Nov 2023

Led a remote team of 5 technical professionals at [WoW Studio](#), a tech and media company that develops innovative experiences and products using blockchain technologies. (Ethereum L1/L2).

- Remotely led the development of the highly successful WoWG NFT collection.
- Actively participated in the developer hiring process by conducting interviews and creating technical assessments to evaluate candidates, ensuring a highly skilled team.

Freelance ML engineer

2016 - 2022

- Built [Leniax](#), a JAX library to apply state-of-the-art quality-diversity algorithms to the Continuous Cellular Automata Lenia.
- Research internship on Grounded Language Learning in simulated environments at ANITI (Artificial and Natural Intelligence Toulouse Institute)
- Core original contributor to the Open Source library for privacy-preserving Machine Learning in TensorFlow: [tf-encrypted](#) accepted at the NeurIPS 2018 PPML workshop. [Associated research paper](#)

EatWith, MyLittleParis | Web Developer

Jul 2015 – Jan 2016

Worked as a freelance PHP/JavaScript developer, optimizing technical stacks, developing applications and structuring technical processes.

ECV Digital | Teacher

Oct 2015 – Jan 2016

Taught two semester-long classes: PHP/MySQL and Algorithm/JavaScript, introducing students to programming languages, ecosystems, and basic algorithm concepts.

Explee | Co-founder & CTO

2012 – 2021

Co-founded the startup Explee as its CTO: an online platform for creating animated videos.

- Developed the entire technical stack of a complex distributed web application.
- Built and managed infrastructure using AWS and Docker.
- Created the Javascript video rendering engine and computer vision algorithms for automatic drawing.