

ALEXANDRE



TORRES-- LEGUET

ENGINEERING STUDENT AT ÉCOLE CENTRALE DE LILLE

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Education

2022 - 2027

Ecole Centrale de Lille

2020 - 2022

Maths Prep class Lycée Sainte-Geneviève (Versailles)

2017 - 2020

G. Pompidou High School (Montpellier) Scientific
Baccalaureate with High Honors

Languages

French - native language

English - C1.2 (TOIEC 990/990)

Spanish - A2.3

Miscellaneous

23 years old

Driving license

Self-employed (Micro-entrepreneur)

Hobbies

Baking

Ancient wheat varieties and seed reproduction

Experience

2025 - today

Freelance contractor in the AI R&D department of OVH AI (formerly Lingua Custodia) for research and training of efficient large scale language models (10^{24} FLOPs, $>10^7$ tokens).

2025

6-month internship at Lingua Custodia (AI R&D department). Research on efficient large language model architectures.

2024

Developed the Python library **mamba.py**, enabling the training of more easily deployable machine learning models. Cited in a scientific article (**Grazzi et. al. 2025, Oral ICLR 2025**).

2023 - 2025

In collaboration with **Inria**, created a video series "ChatGPT in 5 minutes," explaining generative AI to a broad audience. This series was adopted by the **Digital Directorate for Education** (DNE) for teacher training and by the **Interministerial Digital Directorate** (DINUM) for the training of government officials.

2023

One-month internship within the Flowers AI research team at **Inria** in Bordeaux, followed by collaboration with the team as a self-employed contractor. Created technical videos to popularize the team's work.

2020 - today

Created a YouTube channel (*Alexandre TL*) offering theoretical and practical lessons in the field of machine learning. More than 75 videos, 10000 subscribers and 500k views.

2019 - today

Manipulation of machine learning algorithms. Implementation of research papers. Various projects that led to discussions with researchers or professionals in the industry. Notably, personal recognition from **Albert Gu**, a researcher listed among the **100 most influential people** in AI in 2024 by TIME.

2016 - 2017

(Apple Certified Developer)
Development and publication of apps on the App Store for iPhone and Apple Watch (with over 7,000 downloads).