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

22 years old

Driving license

Self-employed (Micro-entrepreneur)

Hobbies

Baking

Ancient wheat varieties and seed reproduction

Experience

2025

<u>Planned</u> 6-month internship at Lingua Custodia in their LLM training team. Post-training 7B/34B Mamba-based models.

2024

Developed the Python library **mamba.py**, enabling the training of more easily deployable machine learning models. Cited in a scientific article.

2023 - today

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 I*nterministerial Digital Directorate* (DINUM) for the training of government officials.

2023

One-month internship within the Flowers 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.

2019 - today

Created a YouTube channel (*Alexandre TL*) offering theoretical and practical lessons in the field of machine learning. More than 70 videos, 7500 subscribers and 350k 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)