

CONTACT

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https://ejmaes.github.io  
France (Open to relocation)  
in eliot-maes  
ejmaes

LANGUAGES

French (native)  
English (fluent)  
German (conversational)  
Japanese (conversational)

SKILLS

Python

Bash

Web (HTML/CSS)

Web (JS)

Web API (REST)

SQL

Web Scraping

R

Programming

AI/ML

PyTorch

Keras

Pandas

Polars

Scikit-Learn

HuggingFace Transformers

LangChain

Data Visualization

Tableau Dashboarding

Plotly Dash

Matplotlib

Seaborn

Tools

Linux

Versioning (Git)

LaTeX

Prompt Engineering

CI/CD

Docker

Office Suite

Soft Skills

Project Management

Adaptability

Communication

Teamwork

Documentation

Mentoring

INTERESTS

Technology innovation, cognitive linguistics research, Digital humanities

# Eliot Maës

## Data Scientist | ML Engineer | PhD Researcher

### PROFESSIONAL SUMMARY

Data Scientist and PhD researcher combining engineering background with 7+ years of AI/ML experience in both industry and academia. I am passionate about both technology’s potential and understanding how humans acquired our cognitive abilities. Looking for opportunities in innovative, research-driven environments.

### EXPERIENCE

PHD RESEARCHER IN AI & COGNITIVE SCIENCE  
Aix-Marseille University

2021–Present  
Marseille, France

- 6+ publications in AI/ML conferences, including LREC-COLING 2024, CoNLL 2022
- Development (data collection, preprocessing) of the **BrainKT corpus**: a multimodal conversational dataset with audio, video, and neurophysiological data
- Researching **novel NLP methods** for information transfer modeling in natural conversation, generalised to **multimodal data**
- Extensive teaching experience** in technical subjects including Python programming and data visualization

DATA CONSULTANT | DATA SCIENTIST  
CapGemini

Jan. 2018–Aug. 2019  
Lille, France

- Collaborated with Kiabi Data team to develop churn prediction algorithms, built interactive Tableau dashboards for customer analysis, and implemented image segmentation for clothing retrieval systems.
- Strengthened local organizational AI/ML capabilities through internal project development and community management.

IT CONSULTING INTERN  
Wavestone

May 2016–Sept. 2016  
Paris, France

Wavestone IT System Department, ERP Upgrade Project, QA engineering team. Assessed automation tools and created test cases during project development, supervising agile testing processes.

PHD IN AI & COGNITIVE SCIENCE  
Aix-Marseille University

2021–2025  
Marseille, France

Thesis: Multimodal learning in natural conversation transfer modeling

MASTER’S DEGREE IN COGNITIVE SCIENCE  
Aix-Marseille University

2019–2021  
Marseille, France

- Track: Language, Communication and the Brain (linguistics & NLP focus)
- Research projects: Neurolinguistic Study of Human-Robot Communications (supervision: Institut de Neurosciences de la Timone); Analysis and Automatic Prediction of Speech Acts on Child-Parent Corpora (supervision: Institut de Langage, Communication et Cerveau); Multimodal Prediction of Turn-Taking in Natural Conversation (supervision: Laboratoire d’Informatique et des Systèmes)

MASTER’S DEGREE IN GENERAL ENGINEERING  
École Centrale de Lille

2014–2017  
Lille, France

- Major in **Decision & Data Analysis**
- Exchange semester: **Doshisha University**, Kyotanabe, Kyoto, Japan
- Research projects: study of color steganalysis (supervision: CRISTAL); Misclassified boundary sample selection for ML model training improvement (supervision: Doshisha University)
- Project management certification** with practical application across several multi-semester academic projects
- Strong involvement in the Rezoleo student association, which acted as an ISP (along with managing other internet-related services) in the Centrale student accommodation