

Eliot Maës

Data Scientist | ML Engineer | PhD Researcher

CONTACT

@ eliotjmaes@gmail.com
+33 6 33 16 21 48
<https://ejmaes.github.io>
France (Open to relocation)
[eliot-maes](https://www.linkedin.com/in/eliot-maes/)
[ejmaes](https://ejmaes.com)

LANGUAGES

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

SKILLS

Programming
Python Bash
Web (HTML/CSS) Web (JS)
Web API (REST) SQL
Web Scraping R

AI/ML
PyTorch Keras Pandas
Polars Scikit-Learn
HuggingFace Transformers
LangChain

Data Visualization
Tableau Dashboarding
Plotly Dash Matplotlib
Seaborn

Tools
Linux Versioning (Git)
L^AT_EX Prompt Engineering
CI/CD Docker
Office Suite

Soft Skills
Project Management
Adaptability Communication
Teamwork Documentation
Mentoring

INTERESTS

Technology innovation, cognitive linguistics research, Digital humanities

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.

EDUCATION

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: CRISyAL); 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