Paul **LEMAIRE**

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EXPERIENCE

Sept 2024 – Feb 2025

CentraleSupélec, Voice Emotion Recognition Project
AI Project Leader
- Developed an AI system to analyze and recognize emotions from voice inputs.
- Designed and trained neural network models using PyTorch.
- Conducted data preprocessing and analysis to enhance model accuracy

Janv 2024 – Feb 2024

Bouygues & CentraleSupélec Collaboration
Academic Project - Data Analyst & AI Developer
- Analyzed data from IoT sensors to assess performance and detect anomalies.
- Developed AI models to identify malfunctioning sensors, improving operational efficiency.
- Utilized advanced machine learning techniques to process large datasets and ensure real-time monitoring accuracy.

Oct. 2023 – June 2024

Bluemind (Coojali Project), Mobile Application Development
Mobile Application Developer Intern
- Co-developed a mobile application focused on mental health support in Africa.
- Collaborated with cross-functional teams to design an intuitive user interface.
- Contributed to backend functionality and data management.

EDUCATION

2023 - present
Paris, France

Master's Degree in Engineering (Ongoing)
CentraleSupélec, Université Paris-Saclay, France
- Member of Université Paris-Saclay, ranked among the **Top 15 globally** (Shanghai Academic Ranking, 2024)
- Focused on applied mathematics, computer science, and AI.

2021-2023
Paris, France

Preparatory Classes in Mathematics and Physics (MPSI/MP*)
Lycée Chaptal, Paris, France
- Intensive two-year program in advanced mathematics and physics to prepare for entrance into France's top engineering schools.

June 2021
Saint-Cloud, France

Baccalaureate in Science (High Honors)
Alexandre Dumas High School, Saint-Cloud, France
- Specialization in Mathematics.

LANGUAGES

French: Native   **English:** Advanced (C1/C2)   **Spanish:** A2

SKILLS

Programming Languages: Python (Advanced), JavaScript, PHP (Intermediate), JavaScript (Moderate)
AI Frameworks & Libraries: PyTorch, NumPy, Matplotlib, Librosa.
Tools: Jupyter Notebook, VS Code, Git.

HOBBIES

- Member of CentraleSupélec's volleyball team (setter)
- Competitive swimmer (8 years of experience)
- Passionate about solving technical challenges particularly in AI
- Chess player