

Lilian Cao

Data & AI Engineering Student at EFREI Paris | Seeking a 5-Month Internship

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PROFILE

Fourth-year engineering student at EFREI Paris, specializing in Data and Artificial Intelligence. Hands-on experience building end-to-end data products, machine learning models, computer vision applications and AI-powered automation workflows. Seeking a five-month internship in Data Science, Data Engineering, Machine Learning or AI, from 2 November 2026 to 2 April 2027.

EDUCATION

General Baccalaureate – Lycée privé Saint-Michel de Picpus – Paris, France

September 2020 – August 2023

- Completed the Mathematics and Physics-Chemistry tracks

Engineering Degree – Grande École Program – EFREI Paris – Villejuif, France

September 2023 – Present

4th year, Data & Artificial Intelligence Major (from September 2026)

- Studied data science, programming, systems architecture and applied artificial intelligence
- Built strong fundamentals in data structures, databases and software development
- Built** a web application integrating the MedGemma 4B medical imaging AI model during a one-month intensive Mastercamp
- Collaborated within a team on project design, integration and delivery, strengthening project management skills

Academic Exchange Semester – ESCAA – Budapest, Hungary

August – December 2025

- Completed an international academic exchange semester as part of the EFREI engineering curriculum

PROFESSIONAL EXPERIENCE

Waiter – Camping Sant Miquel – Colera, Spain

June 2024 – July 2024

- Served an international customer base, primarily in English and Spanish
- Managed multiple simultaneous tasks under pressure, as part of a team

Sales Associate – Intersport – Pamiers, France

December 2024 – January 2025

- Advised customers on sports equipment and clothing choices
- Developed communication and customer service skills

PERSONAL PROJECTS

AI Lead Qualification Agent – *Personal project, in progress*

- Building an AI-powered workflow that extracts structured lead information and assigns a qualification score
- Integrating LLM APIs, n8n, Airtable and Cal.com to automate lead routing and follow-up actions
- Developing validation, logging and human-review mechanisms for uncertain or low-confidence cases

Football Data Analytics Platform – Ligue 1

- Scraped multi-source data (match events, fixtures, transfer market) and built an ETL pipeline with relational data modeling on PostgreSQL (Supabase)
- Trained and deployed Machine Learning models (xG, xA, playing-style detection) with group-based cross-validation
- Developed and deployed an interactive multi-page web application (Streamlit) with CI/CD via GitHub

Object Detection Applied to Rugby – Computer Vision

- Built a dataset from match footage (frame extraction, manual annotation on Roboflow)
- Trained a YOLOv8 model (Ultralytics, transfer learning) to detect players, the ball and referees
- Diagnosed and resolved common computer vision issues (class imbalance, annotation errors) and iteratively evaluated performance

VOLUNTEER EXPERIENCE

Volunteer – French Red Cross – Paris

November 2022 – July 2023

- Took part in outreach rounds supporting people experiencing homelessness
- Organized a mobile laundry service for people in vulnerable situations
- Provided social support through regular phone calls to isolated or elderly people

TECHNICAL SKILLS

Programming & Data: Python, SQL, pandas, NumPy, data cleaning, exploratory data analysis, database modeling • **Machine Learning:** scikit-learn, feature engineering, model evaluation, cross-validation • **Computer Vision:** YOLOv8, Ultralytics, transfer learning • **Data Engineering & Tools:** ETL pipelines, PostgreSQL, Supabase, Streamlit, Git, GitHub, CI/CD • **AI Automation:** LLM APIs, prompt engineering, structured outputs, n8n

CERTIFICATIONS

IBM Artificial Intelligence Fundamentals • Google Cloud Introduction to Responsible AI • Microsoft Azure Fundamentals (AZ-900) – in progress

SOFT SKILLS

Analytical and structured mindset • Rigor and discipline • Problem-solving • Curiosity for performance optimization • Teamwork and communication

LANGUAGES

French: Native (C2) | English: Fluent (C1) | Spanish: Upper-intermediate (B2)

INTERESTS

Long-distance running • Sports performance analysis • Technology and artificial intelligence applied to sports