



Antoine Lopez

Data Science/ Artificial Intelligence

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Future **Data/AI Scientist** (Engineer in Data and AI) with strong theoretical and project experience, seeking a **6-month end-of-study internship** to apply advanced analytical methods in a professional setting.

Professional Experiences

Data Engineer Intern

Société Générale

May – August 2025

Val de Fontenay, France

- Designed and assessed existing software testing strategies in a complex environment
- Proposed and implemented new testing strategies tailored to project requirements (Scala, Java, Spark, Apache Kafka)
- Developed a testing application for data ingestion into a cloud data lake, including the setup of APIs, an S3 bucket, and data processing pipelines (Python, REST API, AWS S3)

Software Developer Intern

VINCI Energies — Cloud, Communication and Services

January – February 2024

La Défense, France

- Developed a chatbot for client ticket management using Llama 2 (Python, Docker, Linux VM)

Junior Engineering Office Technician Intern

VINCI Energies — AXIANS

December 2022 – February 2023

Palaiseau, France

- Wrote procedures and processed Work Declarations and Notices of Intent to Commence Work
- Built an Excel database for managing customer contracts (Excel, VBA)

Education

ECE Paris

Engineering Degree - Specialization in Big Data / Artificial Intelligence — Cloud Option

2021 – Present

Ajou University, Suwon (South Korea)

University Exchange Semester — Computer Science

5th-year engineering student

August 2023 – January 2024

French Baccalauréat (Maths, Physics-Chemistry, Computer Science) — with Mention Bien

2021

Projects

Final Project X Alten

- Develop an AI that optimize finite elements analysis (FEA)

Multidisciplinary Artificial Intelligence Project

- Built a multi-model AI system for summarizing, categorizing, and translating news articles

Hackathon AWS organised by IPPON

- Chaotic scenario : Maintenance and scaling of a platform on the AWS cloud

Database Management in SQL/NoSQL

- Used Oracle SQL, MongoDB, and Neo4j to study purchasing behaviors on an online platform

Skills

Programming Languages : Python, Java, C, Scala, SQL

AI : ML, DL, GenAI, NLP, Recommended systems

Work Methodologies : V-Model, Agile

Visualization : Power BI, matplotlib/seaborn

Cloud/DevOps : Azure, AWS, Docker, Git/GitHub

Big Data : Spark, Kafka, Hadoop, DataBricks, RDBMS, MongoDB, Neo4J

Certification : AWS Academy Graduate - Cloud Foundations - Training Badge

Others skills : Networks, Robotics, Web

Languages

French: Native

Spanish: Intermediate

English: Professional

Korean: Beginner

Interests

Tech & Veille: Suivi des innovations en IA et Blockchain

Sports: Course, Randonnée, Cyclisme, Football, Tennis, Ski, Escalade

Arts: Dessin, Musées et expositions

Jeux vidéo: Suivi des compétitions e-sports