

Leslie DAI

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Engineering graduate, IMT Atlantique (2026) – Data, software and AI

Available immediately for a permanent position

Professional Experience

Final-year internship - Full-Stack Developer *Takima, Paris* *Apr. 2026 – Sept. 2026*

Internal career management platform. Kotlin, Spring Boot, PostgreSQL, React, LangChain4j.

- Led a project to overhaul an HR platform within an agile team, integrating new processes, statistics and an AI assistant.
- Intern follow-up integrated into the tool: end-to-end design of a new interview type (workflow, state machine, permission management) with automated scheduling.
- AI assistant: built an AI chat that retrieves application data through an MCP, with AI permissions managed according to the user's role.
- AI testing against prompt injection, and gradual rollout to users through feature flags and a beta-tester role.
- Improved application performance by removing N+1 queries, with gains measured on query count, loading time and data transferred.
- 4-step data migration: switchover from a legacy model to a new table, including historical data backfill and edge-case handling → migration completed with zero downtime.
- Synchronised the application with the Google Drive API through scripts: document permissions updated according to the assigned manager.
- UX/UI redesign: reworked the user journey into an action-oriented experience instead of a data-viewing platform.

Data Engineering Intern *Swiss Life Banque Privée, Paris* *Apr. 2025 – Aug. 2025*

Improving the steering of the IT delivery team (MOE). Power BI, Fabric.

- Designed centralised reporting and KPIs to improve the steering of the IT delivery team and Release Management.
- Collected and processed data from Tabsters and SQL Server; built an ETL pipeline with Microsoft Fabric, Python (Pandas, NumPy, Spark, DeltaTable) and a Lakehouse.
- Developed Power BI dashboards: capacity tracking, individual activity, workload distribution, skills, KPIs and historisation.
- Strengthened steering and project management: specifications, V-model planning, autonomy, communication.

Production Operator Intern *Etablissements Pichon, Vincennes* *June 2024 – July 2024*

- Worked on the production line: cutting, assembly and packaging.
- Improved administrative efficiency by building Excel tools (simple automation, data organisation).
- Supported business development: identified tennis clubs, ran targeted email campaigns, researched and analysed suppliers.

Projects

Quantitative Movement Assessment Method

Sept. 2024 – Dec. 2024

- Designed for the company Wushu a data visualisation method enabling quantitative comparison of tai chi movements between an expert and a beginner.
- Project management: Gantt chart, task tracking, risk analysis and action plan.
- Motion capture with OptiTrack, data processing and modelling in Unity.
- Produced a demonstration video approved by the company.

Social Network App for University Clubs

Feb. 2024 - June 2024

- Co-developed *Atclub* with Flutter (frontend) and Firebase (backend) in a team of 4.
- Features: authentication and user management, data storage and retrieval, real-time messaging, posts and filters.
- Beta-tested with several users; not released due to an adoption barrier.

Charity Collection Drive

Mar. 2023 - June 2023

- Collected food, clothes and toys for the Secours Populaire charity.
- Coordination and distribution, over 100 items collected.

Education

IMT Atlantique — Master of Engineering (Diplôme d'ingénieur), general engineering

2023 – 2026

Specialisation in digital technology and organisational management.

Seoul National University (SNU) — South Korea

Sept. 2025 – Dec. 2025

Exchange semester: Advanced Deep Learning, Introduction to Smart City Global Convergence, Advanced Sustainable Remediation Engineering, Construction Project Management Using System Dynamics, Introduction to Korean Musical Culture.

Lycée Michelet — Classes Préparatoires aux Grandes Écoles (CPGE)

2021 – 2023

Two-year intensive programme preparing for the competitive entrance exams to French engineering schools (PCSI / PSI): mathematics, physics, chemistry, computer science, engineering sciences.

Technical Skills

Languages: Python, Java, Kotlin, TypeScript, JavaScript, SQL, R

Data / ETL / Reporting: Microsoft Fabric, Pandas, NumPy, Spark, Power BI, Excel

Backend: Spring Boot, JPA, PostgreSQL, SQL Server, Firebase

Frontend / Mobile: React, Ant Design, HTML, CSS, Flutter

AI: LangChain4j (LLM tools, system prompts, SSE streaming)

3D / Motion capture: Unity, OptiTrack

Tools: Git, Helm, Keycloak, Testcontainers, SonarQube

Languages

French (native), English C1 (IELTS 2024), Chinese B2 (HSK 4)

Soft Skills

Project management, autonomy, communication, teamwork, problem solving.