



Maxence Klein Tarlier

ENGINEER SPECIALIZED IN ARTIFICIAL INTELLIGENCE & DATA

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SUMMARY

As a future **ESEO graduate (AI & Data Engineer)** in September 2026, I am particularly interested in **software innovation** and the **challenges of AI**. My experiences at **Dassault Systèmes**, **L'Oréal**, and **EXPLEO** have allowed me to solidify my passion for **human-centric innovation**.

PROFESSIONAL EXPERIENCE

● L'Oréal, Clichy, France

End-of-study internship: AI & Data Specialist in the People Development & Learning team (HR) (Mar. 2026 – Aug. 2026)

- **Lifecycle Management of GenAI Solutions:** Managed the entire cycle from initial needs assessment to operational deployment.
- **Conversational Agent Design:** Designed knowledge base architectures adapted for **RAG** (Retrieval-Augmented Generation) and **AKS** (Agentic Knowledge Search) systems.
- **Prompt Engineering Expertise:** Designed and optimized complex System Prompts to guarantee the performance and reliability of AI model responses.
- **Strategic Vision:** Conducted prospective analyses of **user needs** and proposed continuous improvement roadmaps for the evolution of internal AI tools.

● EXPLEO, Montigny-le-Bretonneux, France

Technical internship: GUI (Graphical User Interface) development (Aug. 2024 – Nov. 2024)

- Developed a **Python-based graphical user interface for ROS2**, simplifying usage for both beginner and experienced users. Analyzed and optimized the user experience (**UX/UI**).
- **Optimized system resources** by centralizing **process** and **thread** management.

● Dassault Systèmes, Vélizy, France

IT Engineering Internship (Jul. 2023)

- **Redesigned the CSS** of Dassault Systèmes' **Web Git** interface and **created original logos** using Procreate.

● Ministère des Armées (Ministry of the Armed Forces), St Germain, France

IT Internship (Jul. 2022)

- **Optimized file repositories** using **Excel** and managed **thousands** of military rank advancement folders.

EDUCATION

Engineer Degree in Artificial Intelligence and Data Analysis (Sept. 2026)

Grande École d'Ingénieurs Généralistes - ESEO Vélizy (78), France

Projects:

- Final Year Project: Development of an Intelligent Roguelike Game (2026) – **Reinforcement Learning, Procedural Generation, MongoDB, PostgreSQL**, User Interface, Project Management
- Dual-Mode Vehicle Rerailing Simulation (2025) – **Reinforcement Learning, A* and RRT** trajectory algorithms, **Python**
- Chassis Detection Algorithm (2025) – **Computer Vision / Image Processing**, **Python**
- Stock Portfolio Management Application (2024) – **Python, Financial APIs**, risk & return estimation, User Interface

TECHNICAL SKILLS

- **Programming Languages:** **Python**, SQL, Java, Web Dev (HTML, CSS, JS)
- **Machine Learning** (Scikit-learn, Pandas, NumPy), **Deep Learning** (PyTorch, TensorFlow, Keras), **Data** (Snowflake, Microsoft Azure), **Docker**, **Git**.

ADDITIONAL INFORMATION

- **Languages:** English: C1 (TOEIC: 945), Spanish: 6-month Erasmus exchange in Spain, French: Native speaker (Projet Voltaire certification: Engineer level)
- **Certifications:** Project Management MOOC, INRS Occupational Health and Safety certification (2025)
- **Soft Skills & Leadership:** 1st place in the ESEO Vélizy **Eloquence** Competition (2024-25), **Anti-Harassment** Student Representative (2023-25), **Class Representative** (2023-24), **Academic Tutoring** (2025-26)
- **Key Strengths:** Diligent, versatile, conscientious, and strong ability to simplify and communicate complex concepts.