Rémi JORGE

CONTACT

+33 7 71 63 44 85

remijorge5@gmail.com

https://github.com/RemiJorge

https://www.linkedin.com/in/remi-jorge/

https://remijorge.github.io/Portfolio/

SKILLS

Programming Languages

Python, Java, C, C++, C#, Swift, HTML/CSS, Javascript, TypeScript, SQL, NoSQL, Ocaml, Assembleur, R, Scala, Rust

Technologies/Frameworks

Tensorflow, Pytorch, Scikit-Learn, React, Angular, Express, FastAPI, Docker, JavaFX

Developer Tools

VSCode, IntelliJ, Pycharm, Unity, Github Copilot, Cursor, Windsurf

Project Management

AGILE, SAFe, SCRUM, GitHub, GitLab

Soft Skills

Problem-solving, Quick learner, Hard-working, TeamWork

EDUCATION

Master of Engineering,
Computer Science & Management

Polytech Montpellier — 2022-2025

Prestigious French engineering program combining advanced computer science and project management. Graduated top of the class.

Key courses: Data Analysis, Artificial Intelligence & Multi-Agent Systems, Deep Learning, Machine Learning, Software Engineering, Web & Mobile Application Development, Quantum Computing, Management of Organizational, Economic and Accounting Systems

Intensive Preparatory Program,
Mathematics, Physics and Computer Science

Lycée Buffon, Paris — 2019-2022

Highly selective three-year French preparatory program. Renowned for its academic rigor, depth in theoretical foundations, and demanding workload.

LANGUAGES

English	Fluent
French	Bilingual

ABOUT

Passionate about real-world AI applications, I specialize in designing and deploying robust machine learning solutions—from LLM-based diagnostics to real-time anomaly detection in high-integrity systems. With strong foundations in software engineering and hands-on experience with state-of-the-art models, I aim to build scalable, secure, and ethical AI that solves impactful problems.

EXPERIENCES

AI Intern – Aircraft Connectivity Diagnostics

Airbus, Toulouse, France — **Mar to Aug 2025**

- Developing an AI-based diagnostic system for aircraft connectivity subsystems
- Implementing Retrieval-Augmented Generation (RAG) pipelines using LLMs to enhance anomaly detection in log data
- Designing and testing machine learning models (Scikit-learn, TensorFlow) to classify and interpret operational anomalies
- Collaborated with cross-functional teams to align AI with avionics needs

Unity Developer & Project Lead Intern

Intelligent Systems Research Centre, Derry, Northern Ireland — **Jun to Aug 2024**

- Developed core FPS gameplay features and NPC AI in Unity using C#
- Managed a small Agile team across development sprints

Machine Learning Intern – Python Developer

Zumtobel, Dornbirn, Austria — **Jul & Aug 2023**

- Designed and developed a RESTful API using FastAPI
- Built and trained AI classification models (K-Means, gradient descent, neural nets, RNN, NLP, ...) using Scikit-Learn
- Implemented and validated unit and integration tests
- Deployed the app using Docker for scalability and reproducibility

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SOME PROJETS

Python Projects

Text Data Analysis Dashboard with Integrated AI Models: Created a dashboard for text data analysis using ML models (classification + clustering). Tech stack: TensorFlow, Scikit-learn, Pandas, React, FastAPI, LLMs, NLP

Automated License Plate Recognition System: Built an edge-based computer vision system for license plate recognition. Tech Stack: TensorFlow, Pandas, Scikit-learn

Other AI Projects: Designed and trained deep neural networks and LLM-based architectures using TensorFlow, PyTorch, and custom implementations from scratch. Applied computer vision and transfer learning techniques (e.g., ResNet-based models) for image classification tasks. Conducted advanced EDA, feature engineering, and built ETL pipelines for structured and unstructured data.

Web Projects (Full-Stack)

AI-Powered Resource Automation Platform – Estory (Industrial Project): Integrated AI models to automate resource generation and built various full-stack web features. Tech stack: TypeScript, React, Node.js, SQL, Security

Cross-Platform Music App for Entrepreneurs (Industrial Project): Developed an AI-based recommendation system and optimized front-end components using Next.js. Ensured GDPR compliance and digital responsibility (DDRS)

C Project

Multi-Channel Instant Messaging App: Built a real-time messaging system using sockets and TCP/IP protocols with file management features.