

Gaspard Hassenforder

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Dual French-British citizen | Aspiring AI Engineer / Data Scientist

EDUCATION

École Polytechnique & HEC Paris

MScT Data Science and AI for Business.

Paris - France

2023 – 2025

- Focused on real-world business challenges through data-driven solutions, developed skills in analysing business issues related to Data Science and AI, building and optimising models using state-of-the-art tools, and understanding their societal impact.
- Key Courses: Statistics, Machine Learning, Causal Inference, ML Ops, Reinforcement Learning, Deep Learning
- Thesis: Analysing the impact of the structure in Multi Agent Systems of their performance
- Honing my expertise in key disciplines including Statistics, Machine Learning, Database Management, Deep Learning, and Optimization.

University of Warwick

BSc Mathematics

Warwick - UK

2019 – 2023

- Improved my problem-solving capabilities and learned mathematical concepts and understood their applications. Key modules include Topology, Multivariate Statistics, and Number Theory.

EXPERIENCE

Veltys (strategy consulting)

AI Engineer Consultant

Paris - France

April – September 2025

- Designed and developed a multi-agent AI system to automate the end-to-end workflow for consultancy proposals and company research. The platform integrates a knowledge graph with custom agents to surface relevant data, reducing administrative time by half, enabling consultants to focus on high-value strategy.
- Implemented a Google cloud database architecture, automating data ingestion and building a chatbot querying tool connected to Big Query.

Ekimetrics

Data Science Intern

Paris - France

April – September 2024

- Designed and implemented a Retrieval Augmented Generation (RAG) solution to automate responses for a hierarchical Corporate Sustainability Assessment (CSA) questionnaire, enhancing the accuracy and tripling the efficiency of the human review process.
- Analysed YouTube brand lift data using causality techniques (EconML, DoWhy) for a global brand, providing actionable insights.
- Worked on a Marketing Mix Modelling (MMM) project, optimising media budget allocation for a major airline.

VPWhite UK Ltd. (digital transformation consulting)

Software Development Intern

London - UK

July – August 2022

- Developed front and back-end processes for a new e-learning platform (C#, SQL, CSS, React)
- Created unit testing processes, tested the application, created logs of outstanding issues, and provided usage feedback.

PROJECTS & ACTIVITIES

- **1st Place - On-Device AI Hackathon (November 2024):** Sponsored by Meta, Hugging Face, and Entrepreneur First. Developed 'NamastAI', a yoga assistant app integrating multiple AI models for real-time pose correction and audible feedback. Demonstrated expertise in deploying, fine-tuning, and optimising local AI models, earning recognition for both technical innovation and commercial viability.
- **Trained a Hierarchical Reasoning Model on the LinkedIn Queens Game:** Adapted Swift code, implemented custom reward functions, and expanded training data through symmetry-based augmentation. Gained experience in quickly understanding complex codebases to achieve high performance (~90% accuracy) despite limited data.
- **Recreating Apple Genmoji:** Finetuned an image generation model (SDXL Lightning) with emojis to recreate the Apple feature called GenMoji introduced in iOS 18, enabling users to generate personalized emoji combinations based on their preferences.
- **Interactive Portfolio with AI Integration:** Developed an interactive personal [website](#) using Streamlit that features my CV and personal information and implemented an AI agent capable of answering questions about my professional background and skills.

TECHNICAL SKILLS & ADDITIONAL INFORMATION

- **Programming Languages:** Python (NumPy, Pandas, Scikit-learn, PyTorch, Keras, Seaborn, Langchain), SQL, R, Spark, C#
- **Big Data & Tools:** Excel, LaTeX, Tableau, Git, Docker, Dataiku, Databricks, MLflow
- **Interests:** Judo black belt (1st Dan): over 11 years of experience, competing in national and international competitions.
- **Languages:** English (native), French (native)