

Gaspard Hassenforder

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Aspiring data scientist with strong foundations in machine learning, data visualization, and advanced Python programming. Dual French-British citizen eager to leverage to drive data-driven decision-making in a dynamic organisation.

EDUCATION

HEC Paris

Paris - France

MScT Data Science and AI for Business M2

2024 – 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: Algorithmic Fairness and Interpretability, Causal Inference, ML Ops, Reinforcement Learning
- Thesis: Analysing the impact of the structure in Multi Agent Systems of their performance

École Polytechnique

Paris - France

MScT Data Science and AI for Business M1

2023 – 2024

- Honing my expertise in key disciplines including Statistics, Machine Learning, Database Management, Deep Learning, and Optimization.
- Key Courses: Statistics with R, Machine Learning I & II, Linear Algebra & Regression, Optimization & Deep Learning

University of Warwick

Warwick - UK

BSc Mathematics

2019 – 2023

- Improved my problem-solving capabilities and learned mathematical concepts and understood their applications. Key modules include Topology, Multivariate Statistics, and Number Theory. Graduated with a high 2.1 degree.

EXPERIENCE

Ekimetrics

Paris - France

Data Science Intern

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 Consultancy)

London - UK

Software Development Intern

July – August 2022

- Developed front and back-end processes for a new e-learning platform (C#, SQL, CSS, .NET)
- 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 optimizing local AI models, earning recognition for both technical innovation and commercial viability.

• **Capgemini Data Camp:** Contributed to a team project analysing customer feedback via sentiment analysis, utilising BERT and GPT-3.5 for data scraped from Trustpilot. Enhanced client's customer satisfaction through actionable insights derived from advanced NLP techniques.

• **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.

• **Judo Black Belt (1st Dan):** Over 11 years of experience, competing in national and international competitions. Captain of the dojo junior judo squad for 4 years, assisting in organising competitions and refereeing local junior competitions.

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
- **Languages:** English (native), French (native)

