

# Gaspard Hassenforder

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Aspiring data scientist with advanced Python skills, seeking to leverage expertise in machine learning and data analysis to drive data-driven decision-making in a dynamic organisation. Dual French-British citizen passionate about Judo and new technologies, eager to contribute to innovative projects in data science.

## EDUCATION

### **HEC, Paris, M2 - Master in Data Science and AI for Business**

September 2024 - April 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. 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.

### **Polytechnique, Paris, M1 - Master in Data Science and AI for Business**

September 2023 - April 2024

Honing my expertise in key disciplines including Statistics, Machine Learning, Database Management, Deep Learning, and Optimization.

### **Warwick University, Warwick, UK, Bachelor of Mathematics**

September 2020 - June 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, FR — Data Scientist Intern**

April 2024 - September 2024

Designed and implemented a Retrieval Augmented Generation (RAG) solution to automate responses for a hierarchical Corporate Sustainability Assessment (CSA) questionnaire, enhancing the efficiency and accuracy 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 Modeling (MMM) project, optimising media budget allocation for a major airline.

### **VP & White UK Ltd, London, UK — Software Development Intern**

August 2022 - September 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.

### **Dassault Systèmes Ltd, London, UK — Intern, Partnerships and University Recruitment Analyst**

July 2019

Developed and presented to Dassault senior management a project analysing and mapping the existing partnerships between universities and the company with an aim to optimise university level recruitment.  
Applied the ins and outs of Computer Assisted Design ("CAD") software, such as Catia and SolidWorks, to understand intricate aerospace models.

## PROJECTS

### **CapGemini Data Camp - 2024**

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.

### **Judo Black Belt (1st Dan), The Budokwai — 2008/2019**

Over 11 years of experience, competing in international competitions.  
Captain of the dojo junior judo squad for 4 years, assisting in organising competitions and refereeing local junior competitions.

### **Mathematics tutor - 2021**

Tutored a pupil in Mathematics and Statistics for A-levels, resulting in an A\* final grade.

## IT & LANGUAGE SKILLS

Bilingual in French and English and Intermediary level in Spanish  
Working knowledge of Microsoft Office Suite  
High level in Python (Pandas, NumPy, scikit-learn, keras, langchain), SQL, Spark, PyTorch and moderate level in C#