



Daniel Fiuza Dosi

Data Scientist and Machine Learning Engineer with a Ph.D. specializing in AI-driven solutions. Led the development of patented disease diagnosis systems and award-winning large language model (LLM) applications. Possess expertise in machine learning and cloud deployment. Dedicated to driving innovation and solving complex challenges through advanced AI techniques.

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Email 

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LinkedIn 

 linkedin.com/in/daniel-fiuza-dosi

GitHub 

 github.com/Daniel-FD

Programming:

Python, MATLAB, Bash,
SQL, C, \LaTeX

Data Science & ML:

NumPy, Pandas,
Matplotlib, SciPy,
Scikit-learn, PyTorch,
Keras, TensorFlow,
MLflow, Optuna, Prompt
Engineering, RAG,
Fine-tuning, Data
Labelling

Cloud & DevOps:

AWS (S3, RDS, EC2,
Lambda, SageMaker, IoT),
Azure, Docker, Git, CI/CD,
Airflow

Development:

Flask, Streamlit, Gradio,
REST APIs, HTML, CSS,
PyTest, UnitTest,
PostgreSQL, MySQL,
Tableau, DBeaver, Zapier

Soft Skills:

Problem-solving,
Leadership,
Communication,
Adaptability,
Collaboration, Agile

Experience

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|-------------|---|------------|
| 2022 - | HelpFirst AI
<i>Lead ML/LLM Engineer</i>
Led the development of an award-winning LLM-powered AI solution, resulting in annual savings of £400k for Citizens Advice Scotland. Enhanced LLM performance through advanced prompt engineering, systematic evaluation, and fine-tuning. Established robust frameworks for model assessment and ethical AI practices, ensuring responsible deployment in sensitive environments. | London, UK |
| 2021 - 2024 | Bryant Medical
<i>Lead Data Scientist</i>
Led the development of patented AI solutions for disease diagnosis and biometric measurements. Managed ML, data engineering, and cloud deployment. Improved team performance through strategic hiring and training. Contributed significantly to product design and engineering oversight. | London, UK |
| 2021 - 2021 | LoveHolidays
<i>Data Scientist (Fixed-Term Contract)</i>
Developed a holiday recommendation system using gradient-boosted decision trees and user clustering techniques. This initiative significantly increased booking probabilities and user engagement, leading to an expected 2.8x rise in bookings and an annual revenue boost of approximately £17 million and over 10,000 new bookings. | London, UK |
| 2019 - 2021 | London South Bank University
<i>Associate Lecturer</i> | London, UK |
| 2017 - 2021 | First Tutors
<i>Private Tutor</i> | London, UK |
| 2017 - 2020 | Imperial College London
<i>Graduate Teaching Assistant (GTA)</i> | London, UK |

Education

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|-------------|--|---|
| 2021 - 2021 | Fellow in Data Science | Faculty AI, London, UK |
| 2017 - 2021 | PhD in Fluid Mechanics, Civil and Environmental Engineering | Imperial College London, London, UK |
| 2014 - 2016 | MSc in Energy Engineering | Aalborg University, Aalborg, Denmark |
| 2015 - 2016 | MSc in Mechanical and Aerospace Engineering | West Virginia University, USA |
| 2011 - 2015 | BSc in Industrial Engineering (Energy Technologies) | Universidad Carlos III de Madrid, Spain |

Projects

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|-------------|--|----------------|
| 2023 - | Prompt Optimiser Python Library | HelpFirst |
| 2022 - | Predicting Customer Vulnerability using NLP and LLMs | HelpFirst |
| 2022 - 2024 | Automated Biometric Measurements for Face and Posture | Bryant Dental |
| 2021 - 2023 | Predicting COVID-19 Infection from Breath Biomarkers | Bryant Medical |
| 2020 - 2020 | Holiday Recommendation System | LoveHolidays |