

Experience

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| Lead Data Scientist, Product Analytics
<i>Motorway</i>
<i>London, UK</i>
<i>06/2022 - present</i> | <p>Developing and implementing data strategy across vehicle auction and post-auction teams to create actionable insights, track product performance, evaluate experiments and build data features. Notable work:</p> <ul style="list-style-type: none">● Product insights: Using commercial knowledge, data analytics and data science to influence product solutions, improving vehicle damage profiling UX as an example. Implemented using Looker Data Studio, Lightdash, Google Colab, Hex and the Python data stack.● Machine learning: Created and launched the first recommendation model for Motorway vehicle auctions, increasing bids per user by 9% and MAP@10 by 16%. Implemented using dbt, Scikit-learn, XGBoost and GCP (BigQuery, Cloud Functions, Vertex AI).● Experimentation: Designing and running pre-post and A/B tests to enable data-driven feature launches. Implemented using Optimizely, Hex and the Python data stack.● Ways of working: Collaborating with product management to implement risk management best practices to support feature launches, increase data discovery and reduce data incidents. Improved planned data item delivery by 35% in 2023 vs 2022. Implemented using Notion, Slack and Jira. |
| Data Scientist, Product Analytics
<i>Motorway</i>
<i>London, UK</i>
<i>04/2021 - 06/2022</i> | <p>Developed end-to-end feature performance tracking, OKR and KPI reporting and implemented data analytics and data science strategy items for the vehicle auction team. Notable work:</p> <ul style="list-style-type: none">● Analytics best practices: Developed dashboarding standards for OKR, KPI and feature tracking used by data analysts. Implemented using Notion, Hex and Looker Data Studio.● Analytics engineering: Built data models for tracking product and feature performance and improving exploratory data analysis capabilities, using both star schema and flat model approaches. Implemented using Stitch, dbt and BigQuery.● Machine learning: Improved exploratory ML pipeline for vehicle pricing, reducing MAE by 15%. Adapted by data science team to build current pricing model for all vehicles. Implemented using Scikit-learn, XGBoost and Google Colab. |
| Data Scientist
<i>Footfalls, UK</i>
<i>12/2017 – 04/2021</i> | <p>Developed signal processing models, evaluated product experiments and created data visualisation tools for smart textile and optical fibre products. Notable work:</p> <ul style="list-style-type: none">● Machine learning: Built classification and regression models to predict pressure applied to products. Implemented using Scikit-learn and the Python data stack.● Data visualisation: Designed and developed infographics and visualisation tools in collaboration with hardware and software engineers for client projects and conferences. Implemented using Flask, Seaborn, Plotly, Scikit-learn, Python data stack and Figma.● Data science best practices: Created data modelling and experimentation standards, upskilling technical and non-technical colleagues in product experimentation, reducing product iteration time by 10%. Implemented using cookiecutter, Jupyter, Notion and Slack. |

Education

MSc Financial and Computational Mathematics, 1st
University of Nottingham, 10/2015 – 01/2017

BSc Finance and Investment, 1st
University of Brighton, 09/2011 – 08/2014

Skills

Data science, data analytics, analytics engineering, machine learning, GCP ecosystem, Git and Agile.