

FIONA McLEOD

Data Scientist

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PROFILE

Data scientist at a home energy supplier with 900,000 customers. Builds forecasting and customer models in Python, puts them into production with engineers and explains the results to people who do not work with data. Looking for a senior data scientist role.

EXPERIENCE

Data Scientist, *Firthside Energy, Edinburgh* 2023–present

- Built a half-hourly demand forecast from smart meter, weather and tariff data; forecast error fell by 18%, cutting balancing costs.
- Built a model that flags customers likely to fall into debt so the support team can call them first; 2,400 were offered a payment plan early in its first winter.
- Set up automated retraining and monitoring in Databricks, so models are refreshed every week without manual work.
- Present results to the pricing and customer teams.

Data Analyst, *Firthside Energy, Edinburgh* 2022–2023

- Cleaned and joined meter data and built reports in Power BI.

EDUCATION

MSc Data Science, Distinction, *University of Leith* 2021–2022

BSc (Hons) Mathematics, 2:1, *University of Leith* 2017–2021

TOOLS

- Python (pandas, scikit-learn, LightGBM, PyTorch)
- SQL, Databricks, Spark
- MLflow, Git, Docker
- Power BI

SKILLS

- Forecasting and classification models
- Experiment design and A/B tests
- Model monitoring and data quality checks
- Explaining results to non-specialists