

HAMZAH JAVAID

LEAD DATA SCIENTIST

| 7 NORRICE LEA, HAMPSTEAD GARDEN SUBURB, N2 0RD |



Experienced Lead Data Scientist with a passion for philosophy and 5+ years in data science at a top UK energy firm

EDUCATION

University College London, UCL	Sept 2011 – May 2016
Master of Chemical Engineering (MEng)	
Saïd Business School, Oxford University	Sept 2021 – Jan 2022
Executive Education: Algorithmic Trading Programme	

EXPERIENCE

Lead Data Scientist | Centrica Oct 2018 – Present

- Centrica Energy, Project: Short term Unidentified gas (UIG) forecasting**

Orchestrated the development and deployment of a daily non-half hourly gas consumption model with advanced machine learning techniques, including CI/CD pipelines and robust monitoring for optimal accuracy and stability.

- NEAS Energy, Project: Biogas Fuel level Prediction & Optimisation**

Lead Data Scientist on team engagement with NEAS Energy, managing stakeholder groups internationally and generating over £10k in profit, delivering an end-to-end R prediction package to the algo trading team.

- Centrica Services, Project: Predictive Maintenance – Boiler failure**

Led a team of 2 data scientist, supervised 1 data engineer to produce an R Shiny dashboard predicting boiler part failure, comparing refurbished vs new parts, and identifying anomaly orders and part order associations

- Centrica Services, Project: Engineer Job Time Optimisation**

Through innovative experimental design, achieved an impressive 15% reduction in job times, resulting in cost savings of ~£200k per annum, while leading and coaching a team to operationalize an end-to-end machine learning model leveraging the Azure ML platform

- Centrica Net Zero, Project: Net Zero Contact Strategy**

Currently leading two data scientists on a high priority Net Zero Contact Strategy project, developing an automation tool to summarise call agent wrap notes - potentially savings £100K per annum

Graduate Data Scientist | Centrica Oct 2016 – Oct 2018

- Graduate Training Programme – DTS Class of 2016**

LEADERSHIP

- Line management of Junior Data Scientist and 3 graduate Data Scientists
 - Coaching, mentoring and upskilling new starters and team members.
 - Hiring & interviewing new team members, supporting their personal development
- Established and led collaborative team for Centrica's Data Science Services & Solutions
 - Establish partnerships and engagement with Microsoft Business Partner driving innovation and ML best practice
 - Implementing Azure DevOps for Continuous Integration, Continuous Deployment (CI/CD) and scrum team methodologies.
- Led Training seminars throughout 2020 - 2023 across the country
 - Delivered R and Pyspark seminars in London, Cardiff, & Surrey, empowering over 30 staff members across departments.
 - Conducted 'Understanding the Power Market' workshops for new hires to facilitate knowledge acquisition.

CERTIFICATIONS

Professional Agile Leadership Azure Data Scientist Associate Azure AI Engineer Associate

INTERESTS

- Member of Royal Institute of Philosophy**

Short courses at University of Oxford: Philosophy of Science (200 hours) , Public Policy Economics (200 hours)