Peter Scaife

📞 +44 (0)7904 243228

✉ peter_scaife_phd@yahoo.co.uk

📍 Eastbourne, East Sussex, UK

SUMMARY

I am a data scientist/ data engineer looking to find a new role after undergoing professional reconversion from chemistry. I have a master level qualification in data science. My GitHub provides evidence of my completed modules. My PhD thesis and research paper in organic chemistry provides evidence of my technical and written skills.

SKILL HIGHLIGHTS

Tech Stack: **GCP, Microsoft Azure, Anaconda, Docker, MongoDB, AWS, Tableau, GitHub**

Programming Languages: **Python, JavaScript, SQL, NoSQL, C++**

Python Libraries: **Pandas, Sklearn, Tensorflow, PySpark**

USEFUL LINKS

Linkedin: [Linkedin/Me](#)

GitHub: [OpenClassrooms Projects](#)

Website: [Credit Rating Calculator](#)

EXPERIENCE

2023- Present | Sparta Global Consultant
Data engineering working on ETL projects to enhance data flow
SQL and NoSQL Databases
Cloud Technologies e.g AWS, Google, Microsoft Azure

2015- 2023 | SELF-EMPLOYED MARKET TRADER
Taking market opportunities in under or over valuations of shares, indices, currencies and commodities
Analysis of company profit and loss accounts to assess rates of expansion or contraction

2005 - 2015 | PROTOTYPE SAMPLES TECHNICIAN | JOHNSON MATTHEY ENVIRONMENTAL CATALYSTS AND TECHNOLOGIES DIVISION

EDUCATION

2022 | DATA SCIENCE Masters
OPENCLASSROOMS
Projects included:
Deploy a model in the cloud: Used AWS EMR to preprocess image files with ResNet50 programmed in Spark.
Implement a scoring model: Creation of a streamlit dashboard and separate API to visualise customer credit ratings. Machine learning including hyperparameter optimisation and custom scoring functions. Use of SHAP and LIME visualisations.
Automatically classify consumer goods: Demonstration of NLP techniques for text data. VGG16 and SIFT for image features.
Segment customers of an e-commerce site: Included elbow method, silhouette scores, KMeans, DBSCAN and agglomerative clustering.
Anticipate building consumption needs: Machine learning including hyperparameter optimisation and use of SHAP.
Build an app for public health: Data cleaning and filling.
Technical skills: AWS (e.g. EC2, EMR, S3), Convolutional Neural Networks (e.g. VGG16, ResNet50), NLP (e.g. Bag of Words, Tf-idf, Word2Vec, BERT, USE), Machine Learning (e.g. Random Forests) Clustering (i.e. KMeans, DBSCAN)

2000 - 2004| PHD IN ORGANIC CHEMISTRY
THE UNIVERSITY OF EAST ANGLIA
Thesis entitled "Synthesis and characterisation of novel porphyrins for use in supramolecular chemistry"
Research paper published see A.N.Cammidge et al., Organic Letters, 2005, 3413

1997- 2000| BSC CHEMISTRY
THE UNIVERSITY OF EAST ANGLIA
Three-year degree course completed in organic chemistry
Laboratory project on the potential value of phthalocyanines in the medicinal use of photodynamic therapy