

JOSEPH SOLOMON

Data Scientist

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SUMMARY

Data Scientist with 2 years of broad-based experience, proficient in Python, R, and SQL. Skilled in predictive modelling, data processing, mining and visualisation. Currently expanding expertise in MLOps to improve model deployment and production efficiency. Led the delivery of the UK's initial skill level estimates, related confidence metrics, and sub-national skill distribution for user reference

EXPERIENCE

Machine Learning Engineer - Freelancer

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04/2023 - Present Remote

- Leading data analysis and pattern identification for a grocery shopping recommendation system project in Berlin.
- Leading model deployment for assessing the impact of Covid-19 on crime rates in Italy project.

Data Scientist - Public Policy & Analysis

Office for National Statistics

10/2021 - 03/2022 Newport, Wales

- Transformed data into actionable insights, effectively presenting recommendations to government and non-government stakeholders, including expert academics and senior analysts across Whitehall departments for project delivery
- Led delivery of first estimates of UK skill levels, and related confidence metrics, as well as the sub-national distribution of skill levels
- Led the delivery of EDIF-funded skills supply project, scoping work out, handling several changes of staff, and progressing conceptual methods
- Created statistical reports and dashboards that offered crucial insights into various survey data waves, resulting in a 50% reduction in processing time

Data Science Intern

Talent Intuition

06/2021 - 09/2021 Cardiff, Wales

- Mined and examined 250,000 employee profiles to uncover patterns and trends in talent flow and skill development
- Created an interactive time series map using Dash for data visualisation, showcasing the global footprint and organisational structure of companies through data-driven insights

EDUCATION

MSc Data Science

University of South Wales

09/2020 - 10/2021

- Achieved grade - Distinction

BSc Aircraft Maintenance Engineering

University of South Wales

09/2017 - 07/2020

- Achieved grade - Upper Second Class

TECH STACK

Technical

Machine Learning

Data Analytics

Statistics

Data Visualisation

Deep learning

Agile Methodologies

MLOps

Database Structure

NLP

Software

Python

Tableau

Docker

AWS

Power BI

Excel

SAS

R

Git

Docker

SQL

Certification

Data Analytics Bootcamp (2023)

AI & Data Engineering (2022)

Azure AI Fundamentals (2021)

PROJECTS

Data Collection Pipeline

https://github.com/JosephSolomon99/Data_Collection_Project

- Curated a database with about 1000 LinkedIn job ads and stored it on an AWS RDS database using SQL Alchemy and Postgres
- Used Docker to containerise the application and deployed it to an EC2 instance
- Set up a CI/CD pipeline using GitHub Actions to push a new Docker image

Modelling Airbnbs Property Listing Data

https://github.com/JosephSolomon99/modelling-airbnbs-property-listing-dataset-

- Developing a predictive price modelling tool for Airbnb hosts to assist in deciding the appropriate listing price.
- Leveraging machine learning to analyze relevant data points to provide accurate price recommendations.