Sandy (Sheng-Jui) Chang

Sheffield, UK

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Education

The University of Sheffield   Sep 2023 – Sep 2024
MSc Data Science   *Sheffield, UK*
Modules: Data Science, Data Analysis, Business Intelligence, Big Data Analytics, Database Design, Data Mining

The University of Warwick   Oct 2020 – Oct 2021
MA International Relations   *Coventry, UK*
Societies and Activities: Research Assistant at The University of Warwick, PR Executive of Warwick Taiwanese Student Society

Skills

Programming Languages: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (SQL Server, MySQL), R
Tools: AWS, Azure, Databricks, Excel, Tableau, Power BI, PyTorch, TensorFlow, Linux, Agile Workflow
Technical: Data Science, Data Analysis, Databases, Business Analysis, Machine Learning
Licenses: AWS Certified Cloud Practitioner, UK Driving License

Projects

Energy Production Regression / *Machine Learning, Python*   Apr 2024
- Built a **XGBoost** time series regression model for solar energy production by employing Python and XGBoost libraries to develop scalable regression pipelines and facilitating efficient training
- Conducted time series cross validation and feature creation, and applied lag features to the model, enabling the model to optimise energy production forecasts over various time horizons

Data Science Uber EDA / *Python*   Feb 2024
- Utilised **Pandas** for data preprocessing and implemented the **groupby** function to subset the data for exploration
- Employed **Matplotlib** and **Seaborn** libraries to visualise the correlations between variables and peak hours demand distributions
- Derived actionable insights on the supply and demand trends during peak demand hours

Product Cost Dashboard Visualisation / *Power BI*   Dec 2022
- Built a **Power BI** dashboard to help consumers compare product prices in different grocery stores
- Transformed and processed data by using **DAX** to ensure data validity
- Provided data-based insights on how customers can save money by visualising differences in product prices

Experience

Junior Account Manager   May 2022 – Nov 2022
Purechannels   *Remote, UK*
- Maintained solid relationships with Fortune 500 client companies by understanding their business needs and addressing inquires in a timely manner
- Analysed tech marketing industry trends and participated in tech marketing projects with tech companies including CrowdStrike, Proofpoint, and Arrow Technologies
- Collaborated and communicated effectively with the developer team to keep track of projects

Account Executive   Sep 2021 – May 2022
Prism Ideas   *Nantwich, UK*
- Collaborated with the project team to ensure high standard delivery of projects
- Prepared and presented reports on project progress and other relevant benchmarking
- Researched and delivered strategic business recommendations aimed at future optimization and improvement, ensuring alignment with the overall business objectives

Research Assistant   Feb 2021 – Aug 2021
Department of Politics and International Studies (PAIS) at The University of Warwick   *Coventry, UK*
- Conducted accurate outlier analysis, data validation, documentation and reporting of research findings on modern China social development issues
- Analysed literature reviews, performed interpretation of findings, and co-published a 7000-word book chapter