

Sandy (Sheng-Jui) Chang

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EDUCATION

The University of Sheffield

Sheffield, UK

MSc Data Science

Sep 2023 - Sep 2024

Modules: Data Science, Data Analysis, Business Intelligence, Data Visualisation, Big Data Analytics, Database Design, Data Mining

The University of Warwick

Coventry, UK

MA International Relations

Oct 2020 - Oct 2021

Activities: Research Assistant at the Department of Politics and International Studies, PR Executive of Warwick Student Society

SKILLS

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

PROJECTS

Energy Production Regression | *Machine Learning, Python*

Jul 2024

- Built an XGBoost time series regression model for solar energy production by employing Python and XGBoost libraries to develop scalable regression pipelines and facilitate efficient training
- Conducted time series split cross validation and feature creation, and applied lag features to the model, enabling the model to optimise energy production forecasts over various time horizons

Nutritoken Mobile App Development | *Flutter, Figma*

Jul 2024

- Participate in a student-led tech startup, co-leading the development of a mobile app aimed at promoting healthier eating habits among university students
- Collaborate with cross-functional teams to align the app's features with user needs and utilise Agile methodologies to manage the development process, ensuring timely delivery of app updates

Data Science Uber EDA | *Python*

Feb 2024

- Utilised Pandas package for data processing and 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 customers compare product prices across different grocery stores and provided data-driven insights on how customers can save money on various products at different stores

WORK EXPERIENCE

Junior Account Manager

Remote, UK

Purechannels

May 2022 - Nov 2022

- Maintained strong relationships with Fortune 500 client companies by understanding their business needs and addressing inquiries in a timely manner
- Analysed tech marketing industry trends and participated in tech marketing projects with companies including CrowdStrike, Proofpoint, and Arrow Technologies
- Developed teamwork and effective communication skills through collaboration with cross-functional teams

Account Executive

Nantwich, UK

Prism Ideas

Sep 2021 - May 2022

- Prepared and presented reports on project progress and other relevant benchmarking
- Researched and delivered strategic business recommendations aimed at future optimisation and improvement, ensuring alignment with the overall business objectives

Research Assistant

Coventry, UK

Department of Politics and International Studies at The University of Warwick

Feb 2021 - Aug 2021

- Conducted outlier analysis, data validation, documentation and reporting of research findings on modern China social development issues
- Analysed research papers, performed interpretation of findings, and co-published a 7,000-word book chapter