

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, 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 University of Warwick, PR Executive of Warwick Student Society

PROJECTS

Energy Production Regression | *Python, Machine Learning*

Jul 2024

- Developed a scalable time series regression model using XGBoost for solar energy prediction, leveraging Python and XGBoost libraries to optimize regression pipelines and improve training efficiency
- Conducted time series split cross validation and feature creation, and applied lag features to the model, enabling the model to optimize energy production forecasts over various time horizons

Nutritoken Mobile App Development | *Flutter, Figma*

May – Sep 2024

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

Data Science Uber EDA | *Python*

Feb 2024

- Utilized Pandas package for data processing and employed Matplotlib libraries to visualize the correlations between variables and peak hours demand distribution
- Derived actionable insights on the supply and demand gaps during peak demand hours and weekdays

EXPERIENCE

Junior Account Manager

May – Nov 2022

Purechannels

Remote, UK

- Maintained strong relationships with Fortune 500 client companies by understanding their business needs and addressing inquiries in a timely manner
- Analyzed 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

Sep 2021– May 2022

Prism Ideas

Nantwich, UK

- 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 – Aug 2021

The University of Warwick

Coventry, UK

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

SKILLS

Programming: Python, SQL (Postgres, MySQL), R, Flutter

Tools: AWS, Azure, GitHub, Excel, Power BI, Tableau, Linux, Agile Workflow, Jira, Figma, Notion, Google Analytics

Technical: Data Science, Data Analysis, Databases, Business Analysis, Machine Learning and AI

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