

Yiran Jing

Final year student love data, study statistics, computer science and business analytics.

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EXPERIENCE

Data Scientist Intern

Lagardere Travel Retail

11/2019 – Present

Sydney, Australia

Lagardere Travel Retail is a pioneering global leader in the travel retail industry. Operating retail stores over Travel Essentials, Duty Free & Fashion, and Foodservice.

- Using Pyspark and PowerBi for 'Out of stock', 'Inventory optimization', 'Rank Product' and 'Rebates' analysis.
- Help team members debug, test, re-structure and improving algorithm efficiency, cutting runtime of OOS from 5 hrs to less than 30mins

Data Scientist Intern

Dough

08/2019 – 10/2019

Sydney, Australia

An Australian fintech start-up, AI led technology platform

- 60+ (sub)category Classification using NLP and Neural Network. Monitor model lifecycles on MLflow
- Data quality improvement: Collect support dataset using Yelp API, clean data and build automated tools for feature selection.

Data Engineer Intern

Taysols

06/2019 – 08/2019

Sydney, Australia

Australia's leading cloud, consulting for Business Analytics solutions.

- Train, deploy and validate ML model using AWS SageMaker customized SciKit models. Build AWS Lambda for real-time and batch predictions.
- Provision of data cleaning, hypothesis testing, statistical analysis and ML model turning (multiclass XGBoost, ARIMA, and DeepAR+) services utilizing Python.

Data Analyst

Chain noodle Restaurant Macaroni of Zhang grandpa

07/2019 – Present

Market and customer analysis for chain noodle restaurants

- Build MeiTuan AppSpider to scrape customer comments from thousands of food restaurants using Python. Then build AWS lambda to automatically update customer comments monthly.
- Using statistical inference, data visualization to analysis price, order quantity, eating preference, consumption level, regional price difference, free wifi service, etc.

Project Participant

ANOVA Project

02/2018 – 12/2018

Sydney, Australia

ANOVA Project is the first pro-bono STEM Consulting Student Organisation

- Intellify Project (2018 Semester 2): Topic: Pricing Optimization, supervised by Intellify Pty Ltd. Time series, statistics, R and Python knowledge are applied to this project.
- Equitise Project (2018 Semester 1): Data service for Equitise Pty Ltd (Sydney). Provided valuable insights and suggestions based on their customer/trading data.

SKILLS

Python; R; SQL; Java; Git

AWS; Spark; PowerBI

EDUCATION

Bachelor of Science and Advanced Study

University of Sydney

07/2016 – 11/2020

Majors are Statistics and Data Science; Minors are computer science and business analytics

- Statistics (90)
- Computer Science (89)
- Mathematics (84)
- Business Analytics (92)

NOTABLE AWARDS

Academic Merit Prize and Dean's List for Academic Achievement

University of Sydney

- Awarded to top 600 students every year

Course Rankings Top 3

University of Sydney

- Statistical Tests (STAT2012); Introduction to programming (INFO1103); Analysis (MATH2023); Management Science (QBUS2310); Predictive Analytics (QBUS2820); Advanced Analytics (QBUS3830)

RESEARCH

Power Demand Forecast of South Australia (09/2018 – 11/2018) (09/2018 – 11/2018)

Reducing Power Supply Costs in South Australia using Statistical time series and Neural Network, based on 30 mins time series demand data and Bureau of Meteorology Adelaide weather data.

Undergraduate Research Assistant at Tsinghua University (12/2017 – 02/2018)

Topic: Predict the primary market of Art in China (Econometrics Program). Web-Crawler using python, crawling the resumes of artists automatically on gallery websites. Wrote package utilizing python to automatic fetch keywords in resumes.

Mathematics Research Assistant Summer Scholarship at the University of Melbourne (01/2017 – 02/2017)

Topic: Improve HAR Models for Realized Co-variance: Long-memory Forecasting with Dynamic Attenuation in Multivariate Cases (MATLAB). Applied models to forecast the motion of the realized volatility based on five minutes returns real financial data.