Yiran Jing

Data Engineer at Canva

Digging into data science.

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EXPERIENCE

Data Engineer
Canva

02/2021 - Present   *Sydney, Australia*

Online Design

− Data Platfrom Team

Data Scientist Intern
Lagardere Travel Retail

11/2019 - 01/2020   *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
Douugh

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.

EDUCATION

Bachelor of Science and Advanced Study
University of Sydney

07/2016 - 11/2020   *GPA 4+*

Majors are Statistics and Computer Science; Minors are data science and business analytics

− Statistics (90)   − Computer Science (89)

− Mathematics (84)   − Business Analytics (92)

SKILLS

Python; R; SQL; Java; Git; C

AWS (model deployment); Spark; PowerBI

Distributed database system, Concurrent programming

PROJECTS

Covid-19 forecast using statistical model (01/2020 - 03/2020) ⤴

− Github repo gain 200+ star, 60+ fork; Model 1: Nowcasting and Forecasting the Outbreak in Wuhan using profile likelihood method and Sensitivity analysis; Model 2: Real-Time forecasting of the confirmed cases in China after Feb 14 using dynamic SEIR model.

Power Demand Forecast of South Australia (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 (01/2017 - 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).

ANOVA Project Participant (02/0218 - 12/2018)

− Intellify Project: Topic: pricing optimization, supervised by Intellify Pty Ltd. Time series, statistics, R and Python are applied.

TEACHING ASSISTANT

The mentor of programming python (03/2018 - 06/2018)

The mentor of info1110 (Introduction of programming/ Python) at Sydney University

Lab Assistant to business analytics units (07/2018 - 11/2018)

Lab Assistant to Postgraduate units Buss6002 (Data science in Business). The python helper of Qbus2820 (Predictive Analysis).