

Yiran Jing

Data Scientist Intern at Taysols | Undergraduate Student at University of Sydney

3rd-year student love data, study mathematics, statistics, computer science and business analytics. Diving deep into data science.

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EDUCATION

Bachelor of Science and Advanced Study

University of Sydney

07/2016 – 06/2020

GPA 4+

Major Statistics and Computer Science

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

EXPERIENCE

Data Science Intern

Taysols

06/2019 – Present

Sydney, Australia

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

Achievements/Tasks

- Provision of data cleaning, EDA, feature engineering and statistical analysis services utilizing Python.
- AWS SageMaker for training, deploy and validate standard AWS ML models (hosting service and batch transformation). Turning the best machine learning models utilizing WAS SageMaker customized SciKit models, with business idea/insight suggestion, written up to Latex documents.
- Build Lambda functions to invoke endpoint and do batch jobs, also clean data within Lambda Function. Monitoring CloudWatch for in-time new data performance.
- Provision of Amazon forecast services utilising DeepAR+

Project Participant

ANOVA Project

02/2018 – 12/2018

Sydney, Australia

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

Achievements/Tasks

- Intellify Project (2018 Semester 2): Topic: Pricing Optimization; Work with ANOVA group members, supervised by Intellify Pty Ltd. Tried to develop pricing optimization solution to maximize price for products and stores, taking into account for cross-product and external effects. 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 to Equitise get insight based on their customer/trading data. Applied Python and statistical modeling knowledge in this project.

Python Helper/Mentor

University of Sydney

02/2018 – 11/2018

Sydney, Australia

Achievements/Tasks

- Mentor at IT: The mentor of INFO1110 (Introduction of programming/Python) Semester 1, 2018.
- Lab Assistant to Postgraduate unit BUSS6002 (Data science in Business) and Undergraduate unit Python helper of QBUS2820 (Predictive Analysis) in Semester 2, 2018.

SKILLS

Python

R

Amazon Sagemaker

SQL

Hadoop and Flink

Java

Latex

Statistical and ML Model

Data Visualization

Data Cleaning

AWS Lambda

Amazon Forecast

HONOR 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)

PROJECTS

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.

Walkability Analysis of Sydney (10/2017 – 11/2017)

- Perform a walkability analysis for different neighbourhoods in the Greater Sydney area using SQL and Google Map API.

RESEARCH

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.