Mingqi (Alex) Yan

Tel: +44 7518771978 | Email: myan37@wisc.edu | m.yan12@lse.ac.uk

EDUCATION

University of Wisconsin-Madison (UWM), College of Letters & Science **09/2019 – 05/2023**

BSc in Statistics and Data Science ***Madison, WI, US***

- Achieved GPA: 3.78/4.00
- Awards: Dean's List (2021), Summer Scholarship (2020)
- Related Modules: Stochastic Processes, Machine Learning, Financial Statistics, Optimization, Deep Learning

London School of Economics and Political Science (Study Abroad) **09/2021 – 06/2022**

Department of Statistics - General Course ***London, UK***

- Expected Degree Classification: First Class Degree
- Related Modules: Machine Learning, Artificial Intelligence, Financial Statistics

ACADEMIC RESEARCH

Kaufman Lab for the Study and Design of Food Systems and Marketplaces **09/2019 – 06/2020**

Research Assistant of Supervisor: Professor Alfonso Morales ***Madison, WI, US***

- Participated in the operation and maintenance of data analytics toolkit for local food system.
- Constructed project relevant demographic database by integrating certain public online databases with data cleaning approach.

PROJECT EXPERIENCES

Machine Learning Course Project at LSE **10/2021 – 02/2022**

- Using RStudio to build machine learning model to predict and interpret the price of Airbnb property listings in Los Angeles with related data, and story-telling the casual inference by R markup.
- Implemented data cleaning and variable integration using LASSO and KNN to a higher dimensional dataset with 34,000 rows, and proceed with sentiment analysis to extract variables from contexts
- Trained models using bagged trees, random forest and neural network models to reach optimal predictive accuracy.

Financial Statistics Course Project at LSE **10/2021 – 01/2022**

- Derived CAPM statistical model with market volatility, risk and other time series variables to calculate optimum investing portfolio of S&P500 stock using RStudio.
- Implemented CAPM model with 13000 rows of time series data to return optimized investment portfolio with respective sharp ratio.

Computer Science Course Project at UWM **10/2020 – 12/2020**

- Using Python to analyze the impact of socio-geological characteristics on salary of New York public servants.
- Implement data cleaning and variable transformation with 4 million entries of data under Linux environment on Google Cloud.
- Conduct principal component analysis with Sklearn module and coefficient analysis after variable selection.

INTERNSHIP EXPERIENCES

ZFusion Tech **05/2021 – 08/2021**

Product Manager Intern Xiamen

- Assisted developing teams with software testing, functionality improvement and making developing plan.
- Desk researched over 30+ competing products and wrote up 5 research memos about developing suggestions.

SKILLS & LANGUAGES

Skills: Python (advanced), RStudio (advanced), STATA, Java, Tableau, Julia, SQL

Language: English (fluent), Mandarin (native)