He Wenying

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EDUCATION

The Chinese University of Hong Kong, Shenzhen   09/2018-07/2022

School: School of Science and Engineering

Major: Mathematics and Applied Mathematics

Awarded the CUHK-Shenzhen Bo Wen Scholarship in 2018

The Hong Kong University of Science and Technology, Guangzhou   09/2022-Present

Hub: System

Thrust: Intelligent Transportation

Supervisor: Prof. Jia YAN

RESEARCH

Portfolio Approach   02/2021-03/2021

- Data processing: collected research data and information through the database, built CPAM model and verified the impact of factors on asset portfolio;
- Programming modeling: assisted the team to figure out the modeling and programming procedures, and completed related modeling and programming work;
- Report writing: set the outline of the analysis report, wrote modeling-related parts, and completed the integration work for the final report

Financial Time Series Analysis   11/2020-12/2020

- Led a team of three to conduct financial time series analysis, mainly responsible for mathematical modeling, writing reports;
- Cooperated well with other team members in collecting and managing data;

Basic Statistical Analysis   01/2020-02/2020

- Used statistical methods to conduct case study of various industries;
- Improved teamwork, communication skills, critical thinking ability

ACTIVITIES

Green Miles Environment Protection Association   09/2019-05/2020

Director of the Public Relations Department

- Organized and planned over 5 activities, contacted relevant people to implement the activity plans and coordinated any onsite affairs;
- Communicated with enterprises to confirm the filed trip details and organized the team to visit enterprises

Volunteer Teaching in Indonesia   08/2019-09/2019

- Taught oral English for more than 200 local primary school students, carefully prepared lessons and designed interactive games to enhance the learning experience;
- Shared experiences with 30 volunteers from all over the world to help them adapt to local life and provide teaching advice

RESEARCH INTEREST

- Data-driven Transportation analysis
- Federated Learning
- Non-parametric model

SKILL

- Python(Pytorch, NumPy, Pandas)
- Native Chinese Speaker
- Professional spoken and written English