YU DI

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY – Singapore **Aug 2021 – Aug 2022**
Master of IT in Business (Artificial Intelligence Track)
Applied Machine learning, Recommender System, Natural Language Processing

SHANGHAI UNIVERSITY OF FINANCE AND ECONOMICS – China **Sep 2017 - Jul 2019**
Master of Management (Major in Management Science)

SHANGHAI UNIVERSITY OF FINANCE AND ECONOMICS – China **Sep 2013 - Jul 2017**
Bachelor of Engineering (Major in Computer Science)

EXPERIENCE

MONETARY AUTHORITY OF SINGAPORE – Singapore **Jan 2022 - Jun 2022**

Machine Learning Engineer Intern (Jan 2022 – Jun 2022)
- Evaluate performance of different HPO toolkits
- Investigate and implement recent academic methodologies about feature selection
- build a back test pipeline model for the SP500 stock prediction with automatic feature selection and HPO
- Process and analyze time series data to create forecasting, evaluation and EDA reports for demo

CARDINAL OPERATION – Shanghai, China **Mar 2019 - Mar 2021**
start-up in artificial intelligence and operation research

Algorithm Engineer (Mar 2019 – Mar 2021)
- Deploy different machine learning model for various companies and provide advices
- Developed prediction module in Nike CTM sales prediction system
- Analyzed large sets of nationwide unstructured data and classified different patterns of stores
- Solved the holiday effect on abnormal sales and the promotion impact on certain products
- Researched L'oreal skin care sales data and extracted anomaly
- Assessed influences of live show on different types of L'oreal goods
- Improved the low accuracy of new L'oreal products with 12%
- Eliminated bias of weather effect on sales prediction for Starbucks in Shenzhen, China
- Deployed prediction models using for Starbucks' daily material sales prediction
- Evaluate and improve the performance of Starbucks's models affected by seasonality

Publications
- Sun, Z., Yu, D., Fang, H., Yang, J., Qu, X., Zhang, J., & Geng, C. (2020, September). Are we evaluating rigorously? benchmarking recommendation for reproducible evaluation and fair comparison. In Fourteenth ACM conference on recommender systems (pp. 23-32).
- Sun, Z., Fang, H., Yang, J., Qu, X., Liu, H., Yu, D., Ong, Y., & Zhang, J. DaisyRec 2.0: Benchmarking Recommendation for Rigorous Evaluation. arXiv preprint arXiv:2203.11026 (2022).

ADDITIONAL
- Technical Skills: Python, PyTorch, Keras, R
- Language Skills: English, Mandarin
- Work Authorization: China (Citizen) Singapore (Internship)
- Achievements: 3rd Prize in 2019 Chinese Contemporary Graduate Mathematical Contest in Modeling
  1st Prize in 2017 Chinese National Computer Design Competition for College Students
  2nd Prize in 2014 Chinese Contemporary Undergraduate Mathematical Contest in Modeling
- Github Homepage: github.com/AmazingDD