JIA XU

Data Analytics Master of Science in Social Policy, School of Social Policy and Practice
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EDUCATION

University of Pennsylvania   Philadelphia, PA, United States
Data Analytics Master of Science in Social Policy (With Scholarship)   August 2021 – May 2023
- Overall GPA: 3.9 / 4.0
- Courses: Practical Machine Learning Methods, Programming for Data Science, Big Data Analytics, Modern Data Mining, and Critical Data Studies In Algorithmic Governance, etc.

University of California, Berkeley   Berkeley, CA, United States
Managerial Accounting, Summer Session, Haas School of Business   July 2019 – August 2019

Nanjing University of Finance and Economics   Nanjing, JS, China
Mathematics and Applied Mathematics, School of Applied Mathematics   September 2017 – June 2021
- Overall GPA: 3.7 / 4.0 (WES Certification, rank – top 10%)

PUBLICATIONS

Yunyun Wu, and Jia Xu. *Simplified analysis of MHD flow in a porous surrounding bounded by an oscillating vertical cylindrical surface*, Case Studies in Thermal Engineering, Volume 30, 2022, 101737, ISSN 2214-157X, https://doi.org/10.1016/j.csite.2021.101737.

Y. Zhao and J. Xu. *Denoising of ECG Signals Based on CEEMDAN*, 2021 6th International Conference on Intelligent Computing and Signal Processing (ICSP), 2021, pp. 430-433, doi: 10.1109/ICSP51882.2021.9408721.

J. Xu, Z. Wu, Y. Zhao, and J. Yang. *Analysis of the Correlation and Regional Distribution of Plastic Waste Pollution*, E3S Web Conf., vol. 241, Mar. 2021, doi: 10.1051/e3sconf/202124103004.

RESEARCH AND PROFESSIONAL EXPERIENCE

Shen Lab, Perelman School of Medicine, University of Pennsylvania   Philadelphia, PA, United States
Research Assistant   December 2021 – Present
- Participate in the tech core of the Penn Artificial Intelligence for Healthy Aging project. Through engagement and collaboration with stakeholders and academic/industry experts, applied text mining to build a portal for AD research to create a central resource and knowledge base for technology identification and training;
- Provided AI and technology identification and training support to pilot grant applicants and awardees to assist them with innovative projects;
- Participated in DEI (diversity, equity, and inclusion) and health disparity research in AD research.

Wharton Customer Analytics Fulton Bank Datathon   Philadelphia, PA, United States
First Place Team, Customer Default Prediction, Risk Management   March 2022 – April 2022
- Performed the analytical process from exploratory data analysis, model selections, result interpretations to recommendations to Fulton bank's risk management strategies based on best-performing models, Linear Discriminant Analysis, Decision Tree, XGBoost models.
- Cross-referenced the results of the optimized models and our exploratory data analysis to find clusters of customers who are most likely to default.

KPMG   Shanghai, China
IT - Data Analyst Intern   April 2021 – June 2021
- Perform company data processing, conduct analysis tasks and design Power BI report for weekly department and company meetings; Perform specified user tests and proof-of-concept tests

SELECTED AWARDS AND HONORS

- 1st Place Prize in Wharton Customer Analytics and Fulton Bank Datathon 2022   April 2022
- Outstanding Undergraduate Graduate in Jiangsu Province   May 2021
- National Second Prize, China Mathematical Contest in Modeling   November 2020
- Interdisciplinary Contest in Modeling Finalist   April 2020

ADDITIONAL INFORMATION

Additional Professional and Extracurricular Experiences
- IBM Data Science Professional Certificate
- ACCA Passed 8 Exams (13) and Ethics and Professional Skills module (EPSM)

Computer and Language Skills
- Python (Numpy, Pandas, Matplotlib, Sklearn, Spark), R, SQL, ArcGIS, Power BI, Tableau, RapidMiner.