

# Aobo Xu

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## Education

- 2023–Present Ph.D. Student, Management Science and Engineering, China University of Petroleum (East China)  
Supervisor: Ling Jian
- 2020–2023 M.M., Management Science and Engineering, China University of Petroleum (East China)
- 2016–2020 B.Ed., Education, Tianjin University

## Selected Honors and Awards

- 2024 KDD CUP OAG-Challenge, Honorable Prize (11th, \$500)
- 2023 Shandong Provincial Graduate Innovation Achievement Award
- 2023 “Challenge Cup” National College Student Extracurricular Academic Science and Technology Works Competition, First Prize (¥33,000)
- 2022 Shandong Province “Internet Plus” College Student Innovation and Entrepreneurship Competition, Silver Award (¥13,000)
- 2021 “Teddy Cup” Data Analysis Skills Competition, First Prize

## Publications

<sup>†</sup> *corresponding author*

### Journals

- [1] **Aobo Xu**, Ling Jian<sup>†</sup>, Yue Yin & Na Zhang. UISA: User Information Separating Architecture for Commodity Recommendation Policy with Deep Reinforcement Learning. *ACM Transactions on Recommender Systems*, 2024.
- [2] Kai Shao, Xinmin Wang, Min Liu, **Aobo Xu** & Ling Jian<sup>†</sup>. Efficient Pump Scheduling for Large-scale Multi-Product Pipelines using Deep Reinforcement Learning. *International Journal of Adaptive Control and Signal Processing*, 2024.

## Conferences

- [1] **Aobo Xu**, & Ling Jian<sup>†</sup>. A Deep News Headline Generation Model with REINFORCE Filter. *2023 International Joint Conference on Neural Networks (IJCNN), IEEE, 2023.*

## Preprints

- [1] **Aobo Xu**, Bingyu Chang, Qingpeng Liu, & Ling Jian<sup>†</sup>. Automatic workflow management for spatial heritage data. *arXiv preprint arXiv:2407.17722, 2024.*

## Professional Activities

- Reviewer, KDD CUP OAG-Challenge, 2024.