Shuo Xing

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Education

2023 – Now **Texas A&M University**, College Station, TX, United States
PhD Student in Computer Science, Advisor: *Dr. Victoria Crawford*
Research: Submodular Optimization, Machine Learning
Overall GPA: 4.0/4.0

2022 – 2023 **The Hong Kong University of Science and Technology**, Hong Kong SAR
Research Intern, Advisor: *Dr. Tong Zhang*
Research: Natural Language Processing, Large Language Models, Domain Generalization, Machine Learning

2020 – 2023 **Nankai University**, Tianjin, China
Master of Science in Applied Mathematics, Advisor: *Dr. Peixin Ye*
Research: Approximation Theory, Learning Theory, Machine Learning
Overall GPA: 89.95/100
Awards: Outstanding Graduation Thesis, Outstanding Graduate, First-Class Scholarship (Title Sponsor: HUAWEI)

2016 – 2020 **Ningxia University**, Ningxia, China
Bachelor of Science in Information and Computing Science, Advisor: *Dr. Yanbing Fang*
Research: Financial Mathematics, Machine Learning
Overall GPA: 3.733/4.0 *Major GPA*: 3.78/4.0 (Rank: 1/153)
Awards: Outstanding Graduation Thesis, Outstanding Graduate

Publications

ACL 2024 Rui Pan♠, **Shuo Xing**♠, Shizhe Diao♠, Wenhe Sun, Xiang Liu, Kashun Shum, Jipeng Zhang, Renjie Pi, and Tong Zhang. Plum: Prompt Learning using Metaheuristic. Accepted by Findings of the Association for Computational Linguistics: ACL 2024. (♠ indicates equal contribution)

arXiv 2023 Wenjing Chen, **Shuo Xing**, and Victoria G. Crawford. A Threshold Greedy Algorithm for Noisy Submodular Maximization. In arXiv preprint arXiv:2312.00155. 2023.

Axioms 2023   Chunfang Shao, Xiujie Wei, Peixin Ye, and **Shuo Xing**[†]. Efficiency of Orthogonal Matching Pursuit for Group Sparse Recovery. In Axioms. 2023. ([†] indicates the corresponding author)

IJWMIP 2023   Wenhui Zhang, Peixin Ye, and **Shuo Xing**. Optimality of the Rescaled Pure Greedy Learning Algorithm. In the International Journal of Wavelets, Multiresolution and Information Processing. 2023.

Axioms 2022   Wenhui Zhang, Peixin Ye, **Shuo Xing**, and Xu Xu. Optimality of the Approximation and Learning by the Rescaled Pure Super Greedy Algorithms. In Axioms. 2022.

Axioms 2022   Chunfang Shao, Jincai Chang, Peixin Ye, Wenhui Zhang, and **Shuo Xing**. Almost Optimality of the Orthogonal Super Greedy Algorithm for μ-Coherent Dictionaries. In Axioms. 2022.

Skills

Programing   MPI (at TAMU), Python and Pythorch (at HKUST), C and Matlab (at Ningxia University)

Language   Chinese (native), and English (fluent)

Services

Reviewers   2024: Journal of Combinatorial Optimization (JOCO)
2023: Journal of Combinatorial Optimization (JOCO)