

Shuo Xing

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📄 <https://shuoxing98.github.io/>

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

- arXiv 2024 Wenjing Chen, **Shuo Xing**, Samson Zhou, and Victoria G. Crawford. Fair Submodular Cover. In arXiv preprint arXiv:2407.04804. 2024.
- 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 Meta-heuristic. 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)