Wanqi Zhou, Ph.D. student

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🎓 Google Scholar

🎓 Personal page

🌐 https://github.com/ElleZWQ

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Education

2023.10 – 2024.11	**International Program Associate (IPA)** in Tensor Learning Team, RIKEN Center for Advanced Intelligence Project, Japan. Research Interests: *Causal discovery; Adversarial Defense.*
2023.07 – 2023.10	**Intern** in Tensor Learning Team, RIKEN Center for Advanced Intelligence Project, Japan. Research Interests: *Causal discovery; Adversarial Defense.*
2019.09 – 2025.06	**Ph.D. Control Science and Engineering** in Xi'an Jiaotong University, China. Originally admitted to the M.Sc. program and transitioned to the Ph.D. program. Research Interests: *Causal discovery; Domain Adaptation/ Generalization; Adversarial Defense; Information Theory.*
2015.09 – 2019.06	**B.Eng. Bachelor of Engineering** in Shandong University, China. Thesis title: *Stochastic Fourier Adaptive Algorithm based on MEE-MCC.*

Research Publications

1. **W. Zhou**, S. Yu, and B. Chen, "Causality detection with matrix-based transfer entropy," *Information Sciences*, vol. 613, pp. 357–375, 2022, SCI-I-top journal.

2. **W. Zhou**, S. Bai, S. Yu, Q. Zhao, and B. Chen, "Jacobian regularizer-based neural granger causality," in *Forty-first International Conference on Machine Learning (ICML2024)*, 2024. 🔗 URL: https://openreview.net/forum?id=FG5hjRBtpm.

3. **W. Zhou**, S. Bai, Y. He, Q. Zhao, and B. Chen, "An information-theoretic approach for heterogeneous differentiable causal discovery," 2024, Available at SSRN: https://ssrn.com/abstract=4837242 or http://dx.doi.org/10.2139/ssrn.4837242.

4. **W. Zhou**, S. Bai, Q. Zhao, and B. Chen, *Revisiting the adversarial robustness of vision language models: A multimodal perspective*, 2024. arXiv: 2404.19287 [cs.CV]. 🔗 URL: https://arxiv.org/abs/2404.19287.

5. S. Bai, Y. Zhang, **W. Zhou**, Z. Luan, and B. Chen, "Soft prompt generation for domain generalization," in *European Conference on Computer Vision (ECCV)*, 2024. arXiv: 2404.19286 [cs.CV]. 🔗 URL: https://arxiv.org/abs/2404.19286.

6. S. Bai, M. Zhang, **W. Zhou**, *et al.*, "Prompt-based distribution alignment for unsupervised domain adaptation," in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 38, 2024, pp. 729–737.

7. S. Bai, **W. Zhou**, Z. Luan, D. Wang, and B. Chen, "Improving cross-domain few-shot classification with multilayer perceptron," in *ICASSP 2024 - 2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 2024, pp. 5250–5254. 🔗 DOI: 10.1109/ICASSP48485.2024.10447065.

Academic service

Reviewer	ACM MM2024
Posters	ICML2024

Skills

Languages	Mandarin Chinese, English.
Coding	Python, MATLAB, Pytorch, C, LaTeX, …

Miscellaneous Experience

Awards and Achievements

2021	**BCI Brain Controlled Robot Competition National First Prize**, 2021 World Robot Competition.
2018	**The National First Prize in the Photoelectric Four-Wheel Group**, The 13th National College Student NXP Intelligent Car Competition.

Certification

2023	**Outstanding Graduate Student**. Awarded by Xi'an Jiaotong University.
2022	**Outstanding Graduate Student**. Awarded by Xi'an Jiaotong University.
2020	**Outstanding Graduate Student Cadres**. Awarded by Xi'an Jiaotong University.
2019	**Outstanding Undergraduate Graduates**. Awarded by Shandong University.