Wenyu Jiang

PERSONAL INFORMATION

Ph.D. Student, School of Computer Science, Nanjing University, China

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EDUCATION

Sep 2020 - Present (**expected Jul 2025**)	**Ph.D., School of Computer Science, Nanjing University**, China Direct Admission without Entrance Examination Advisors: Prof. Chongjun Wang and Prof. Junyuan Xie
Sep 2016 - Jul 2020	**B.S., School of Software Engineering, Southeast University**, China Rank: **2/132** Advisor: Prof. Xiang Zhang

EXPERIENCE

- **Research Intern, Department of Statistics and Data Science, Southern University of Science and Technology** — Shenzhen, China
  Advisor: Hongxin Wei — Jun 2023 - Dec 2024

- **Software Development Engineering Intern, Web Experience Team, Microsoft Software Technology Center Asia** — Suzhou, China
  Mentor: Yiliang Xiong — Jul 2019 - Oct 2019

AWARDS & HONORS

- **Financial Assistance Awardees by the ICLR Organizing Committee** — 2024
- **Postgraduate Excellence Scholarship by the Nanjing University** — 2023
- **National Scholarship by the China Ministry of Education** — 2018
- **National Encouragement Scholarship by the China Ministry of Education** — 2017

RESEARCH INTERESTS

Data-centric Artificial Intelligence, Large Language Models, Human-Agent Collaboration.

Specifically, I am working on the following topics:

- **Data Selection for Robust Foundation Models**
- **Data Selection for Efficient Foundation Models**
- **Data Annotation with Human-Agent Cooperation**

PROJECTS

- **Data Quality Optimization Research for Foundation Models.** — 2023 - 2024
- **Common Technologies and Standards for Collaborative Crowdsourcing.** — 2021 - 2022

PUBLICATIONS

(†equal contribution; *corresponding author)

Published Papers

8. **Wenyu Jiang**, Zhenlong Liu, Zejian Xie, Songxin Zhang, Bingyi Jing, Hongxin Wei*. Exploring Learning Complexity for Efficient Downstream Dataset Pruning. *Proceedings of the 13th International Conference on Learning Representations* (**ICLR'25**).

7. MingCai Chen, Yuntao Du, **Wenyu Jiang**, Baoming Zhang, Shuai Feng, Yi Xin, Chongjun Wang*. Robust Logit Adjustment for Learning with Long-Tailed Noisy Data. *Proceedings of the 39th AAAI Conference on Artificial Intelligence* (**AAAI'25**).

6. Hongfu Gao, Feipeng Zhang, **Wenyu Jiang**, Jun Shu, Feng Zheng, Hongxin Wei*. On the Noise Robustness of In-Context Learning for Text Generation. *Proceedings of the 38th Annual Conference on Neural Information Processing Systems* (**NeurIPS'24**).

5. Jianqing Song, Jianguo Huang, **Wenyu Jiang**, Baoming Zhang, Shuangjie Li, Chongjun Wang*. Similarity-Navigated Conformal Prediction for Graph Neural Networks. *Proceedings of the 38th Annual Conference on Neural Information Processing Systems* (**NeurIPS'24**).

4. **Wenyu Jiang**, Hao Cheng, Mingcai Chen, Chongjun Wang, Hongxin Wei*. DOS: Diverse Outlier Sampling for Out-of-distribution Detection. *Proceedings of the 12th International Conference on Learning Representations* (**ICLR'24**).

3. Mingcai Chen, Hao Cheng, Yuntao Du, Ming Xu, **Wenyu Jiang**, Chongjun Wang*. Two Wrongs Don't Make a Right: Combating Confirmation Bias in Learning with Label Noise. *Proceedings of the 37th AAAI Conference on Artificial Intelligence* (**AAAI'23**).

2. **Wenyu Jiang**, Yuxin Ge, Hao Cheng, Mingcai Chen, Shuai Feng, Chongjun Wang*. READ: Aggregating Reconstruction Error into Out-of-Distribution Detection. *Proceedings of the 37th AAAI Conference on Artificial Intelligence* (**AAAI'23**).

1. Shuai Feng, **Wenyu Jiang**, Mingcai Chen, Yuntao Du, Hao Cheng, Yuxin Ge, Chongjun Wang*. CESED: Exploiting Hyperspherical Predefined Evenly-Distributed Class Centroids for OOD Detection. *Proceedings of SIAM International Conference on Data Mining* (**SDM'23**).

Preprints

3. Zhenlong Liu, **Wenyu Jiang**, Feng Zhou, Hongxin Wei*. Efficient Membership Inference Attacks by Bayesian Neural Network.

2. MingCai Chen, Baoming Zhang, Zongbo Han, Yuntao Du, **Wenyu Jiang**, Yanmeng Wang, Shuai Feng, Bingkun Bao*. Test-Time Selective Adaptation for Uni-Modal Distribution Shift in Multi-Modal Data.

1. Xin Guo, **Wenyu Jiang**, Chenyou Fan, Yuntao Du, Zhenhao Shao, Wei Fang, Xiaojun Wu, Hengyang Lu*. MuSIA: Exploiting Multi-Source Information Fusion with Abnormal Activations for Out-of-Distribution Detection.

PATENTS

- **A Crowdsourcing Data Cleaning Method based on Noisy Label Learning.**   2021
- **Detecting Out-of-distribution Samples based on Data Enhancement.**   2021

ACADEMIC SERVICES

- **Conference Reviewer**: AAAI'23, ICLR'24, NeurIPS'24, ICML'24, ICLR'25, ICML'25, NeurIPS'25
- **Journal Reviewer**: Neural Networks