Hongyu Zhao

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Research Interests

Natural Language Processing, Machine Learning

Education

2023 - NOW **Ph.D. in Computer Science**
University of Maryland
Supervised by Tianyi Zhou

2021 - 2023 **M.S. in Computational and Applied Mathematics**
University of Chicago
Supervised by Hongyuan Mei

2017 - 2021 **B.S. in Mathematics and Applied Mathematics**
School of Gifted Young, University of Science & Technology of China

Publications

H. Zhao, M. Li, and T. Zhou, "BenTo: Benchmark Task Reduction with In-Context Transferability", Proceedings of ICLR 2025.

M. Li, P. Chen, C. Wang, **H. Zhao**, Y. Liang, Y. Hou, F. Liu, T. Zhou, "Mosaic-IT: Free Compositional Data Augmentation Improves Instruction Tuning",
Arxiv Preprint 2025.

H. Zhao, K. Wang, M. Yu, and H. Mei, "Explicit Planning Helps Language Models in Logical Reasoning", Proceedings of EMNLP 2023 Oral.

J. Gu, **H. Zhao**, H. Xu, L. Nie, H. Mei, and W. Yin, "Robustness of Learning from Task Instructions", Findings of ACL 2023.

S. Xue, F. Zhou, Y. Xu, M. Jin, Q. Wen, H. Hao, Q. Dai, C. Jiang, **H. Zhao**, S. Xie, J. He, J. Zhang, H. Mei, "Weaverbird: Empowering financial decision-making with large language model, knowledge base, and search engine",
Arxiv Preprint 2023.

H. Zhao, H. Tan, and H. Mei, "Tiny-Attention Adapter: Contexts Are More Important Than the Number of Parameters",
Proceedings of EMNLP 2022.

Work Experience

Apple May 2024 - Aug 2024
Ant Group Jun 2023 - Sep 2023

Honors & Awards

Dean's Fellowship 2023
Outstanding Freshman Scholarship (15% in all departments) 2017

Skills

Coding Familiar with Python, have experiences with C++/C#/MATLAB/QT etc.
Language Fluent English, native Chinese, mid-level Japanese and German.