Zhiming Zhou

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Employment

Shanghai University of Finance and Economics. Shanghai, China
Assistant Professor, School of Computing and Artificial Intelligence. *Dec. 2024 - Now*
Assistant Professor, School of Information Management and Engineering. *Dec. 2020 - Dec. 2024*

Education

Shanghai Jiao Tong University. Shanghai, China
Ph.D. in Computer Science, Advised by Prof. Yong Yu. *Sep. 2014 - Jun. 2020*

Shanghai Jiao Tong University. Shanghai, China
B.S. in Computer Science (ACM Class). *Sep. 2010 - Jun. 2014*

Research Interests

I am broadly interested in fundamental techniques and theories of machine learning, including optimization, generalization, representation learning, learning theory, principled design of neural networks, generative models, etc. Ultimately, I aim to lay a solid foundation for artificial intelligence.

Selected Works

Learning Personalizable Clustered Embedding for Recommender Systems. ⍰
- Yizhou Chen, Guangda Huzhang, Anxiang Zeng, Qingtao Yu, Hui Sun, Jingyi Li, Yabo Ni, Han Yu, <u>Zhiming Zhou</u>.
- ACM Transactions on Recommender Systems (TORS), 2025, Volume 3, Issue 3.

Residual Multi-Task Learner for Applied Ranking. ⍰
- Cong Fu, Kun Wang, Jiahua Wu, Yizhou Chen, Guangda Huzhang, Yabo Ni, Anxiang Zeng, <u>Zhiming Zhou</u>.
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2024.

Recurrent Temporal Revision Graph Networks. ⍰
- Yizhou Chen, Anxiang Zeng, Guangda Huzhang, Qingtao Yu, Kerui Zhang, Kangle Wu, Han Yu, <u>Zhiming Zhou</u>.
- Annual Conference on Neural Information Processing Systems (NeurIPS), 2023.

**Clustered Embedding Learning for Recommender Systems.** ⍰
- Yizhou Chen, Guangda Huzhang, Anxiang Zeng, Qingtao Yu, Hui Sun, Jingyi Li, Yabo Ni, Han Yu, <u>Zhiming Zhou</u>.
- ACM Web Conference (WWW), 2023.

Lipschitz Generative Adversarial Nets. ⍰
- <u>Zhiming Zhou</u>, Jiadong Liang, Yuxuan Song, Lantao Yu, Hongwei Wang, Weinan Zhang, Yong Yu, Zhihua Zhang.
- International Conference on Machine Learning (ICML), 2019.

Towards Efficient and Unbiased Implementation of Lipschitz Continuity in GANs. ⍰
- <u>Zhiming Zhou</u>, Jian Shen, Yuxuan Song, Weinan Zhang, Yong Yu.
- Preprint, 2019.

AdaShift: Decorrelation and Convergence of Adaptive Learning Rate Methods. ⍰
- <u>Zhiming Zhou</u>*, Qingru Zhang*, Guansong Lu, Hongwei Wang, Weinan Zhang, Yong Yu.
- International Conference on Learning Representations (ICLR), 2019.

Activation Maximization Generative Adversarial Nets. ⍰
- <u>Zhiming Zhou</u>, Han Cai, Shu Rong, Yuxuan Song, Kan Ren, Weinan Zhang, Jun Wang, Yong Yu.
- International Conference on Learning Representations (ICLR), 2018.

Sparse-as-Possible SVBRDF Acquisition. ⍰
- <u>Zhiming Zhou</u>, Guojun Chen, Yue Dong, David Wipf, Yong Yu, John Snyder, Xin Tong.
- ACM Transactions on Graphics (TOG) - Proceedings of ACM SIGGRAPH Asia, 2016.

Guiding the One-to-one Mapping in CycleGAN via Optimal Transport. ⍰
- Guansong Lu, <u>Zhiming Zhou</u>, Yuxuan Song, Kan Ren, Yong Yu.
- AAAI Conference on Artificial Intelligence (AAAI), 2019.

Unsupervised Diverse Colorization via Generative Adversarial Networks. ⍰
- Yun Cao, <u>Zhiming Zhou</u>, Weinan Zhang, Yong Yu.
- European Conference on Machine Learning (ECML), 2017.

Honors and Awards

Top 33% Reviewer. International Conference on Machine Learning (ICML). 2020.

Excellent Ph.D. Student Scholarship (Top 1%). Shanghai Jiao Tong University. 2019.

Excellent Intern Award. Microsoft Research Asia. 2016 and 2014.

The First Prize. National Olympiad in Informatics in Provinces (NOIP). Jiangxi Province, China. 2009.