

EDUCATION	<b>School of Computer Science, Shanghai Jiao Tong University</b> Shanghai, China <i>Ph.D. in Computer Science and Engineering</i> 2022 - 2027 ( <i>expected</i> ) <ul style="list-style-type: none"><li>• Advisor: Prof. Junchi Yan</li><li>• Research area: Theory of Deep Learning, Science of Large Language Models</li></ul>
	<b>UM-SJTU Joint Institute, Shanghai Jiao Tong University</b> Shanghai, China <i>B.E. in Electrical and Computer Engineering</i> 2018 - 2022 <ul style="list-style-type: none"><li>• GPA (before post-grad recommendation): 3.74/4.00, Rank: 9/158.</li></ul>

PUBLICATIONS (\* indicates equal contributions; † indicates correspondence.)

1. Jinbo Wang\*, Mingze Wang\*, Zhanpeng Zhou\*, Junchi Yan, Weinan E, Lei Wu. The Sharpness Disparity Principle in Transformers for Accelerating Language Model Pre-Training. **In submission.**
2. Zijun Chen\*, Zhanpeng Zhou\*†, Bo Zhang, Weinan Zhang, Xi Sun, Junchi Yan. SE-Merging: A Self-Enhanced Approach for Dynamic Model Merging. **In submission.**
3. Tongcheng Zhang\*, Zhanpeng Zhou\*†, Mingze Wang, Andi Han, Wei Huang, Taiji Suzuki, Junchi Yan. Going Richer and Sparser: The Learning Dynamics of Label Noise SGD. **In submission.**
4. Andi Han\*, Wei Huang\*, Zhanpeng Zhou\*†, Gang Niu, Wuyang Chen, Junchi Yan, Akiko Takeda, Taiji Suzuki. On the Role of Label Noise in the Feature Learning Process. **In submission.**
5. Tongtian Zhu, Tianyu Zhang, Mingze Wang, Zhanpeng Zhou†, Can Wang. A Single Global Merging Suffices: Recovering Centralized Learning Performance in Decentralized Learning. **ICLR 2025 Workshop Weight Space Learning.**
6. Zhanpeng Zhou†, Yongyi Yang, Jie Ren, Mahito Sugiyama, Junchi Yan. On the Cone Effect in the Learning Dynamics. **ICLR 2025 Workshop DeLTa.**
7. Zhanpeng Zhou\*†, Mingze Wang\*, Yuchen Mao, Bingrui Li, Junchi Yan. Sharpness-Aware Minimization Efficiently Selects Flatter Minima Late in Training. **ICLR 2025 (Spotlight).**
8. Bingrui Li, Wei Huang, Andi Han, Zhanpeng Zhou, Taiji Suzuki, Jun Zhu, Jianfei Chen. On the Optimization and Generalization of Two-layer Transformers with Sign Gradient Descent. **ICLR 2025 (Spotlight).**
9. Zhanpeng Zhou\*, Zijun Chen\*, Yilan Chen, Bo Zhang, Junchi Yan. On the Emergence of Cross-Task Linearity in the Pretraining-Finetuning Paradigm. **ICML 2024.**
10. Yiting Chen, Zhanpeng Zhou, Junchi Yan. Going Beyond Neural Network Feature Similarity: The Network Feature Complexity and Its Interpretation Using Category Theory. **ICLR 2024.**
11. Zhanpeng Zhou, Yongyi Yang, Xiaojiang Yang, Junchi Yan, Wei Hu. Going Beyond Linear Mode Connectivity: The Layerwise Linear Feature Connectivity. **NeurIPS 2023.**
12. Ling Tang\*, Wen Shen\*, Zhanpeng Zhou, Quanshi Zhang. Defects of Convolutional Decoder Networks in Frequency Representation. **ICML 2023.**
13. Zhanpeng Zhou\*, Wen Shen\*, Huixin Chen\*, Ling Tang, Quanshi Zhang. Batch Normalization Is Blind to the First and Second Derivatives of the Loss. **AAAI 2024 (Oral).**
14. Jie Ren, Zhanpeng Zhou, Qirui Chen, Quanshi Zhang. Optimizing Logistics and Supply Chain Networks Using Machine Learning Techniques. **ICLR 2023.**

PUBLICATIONS (CONTINUE)	15. Jie Ren*, Die Zhang*, Yisen Wang*, Lu Chen, <b>Zhanpeng Zhou</b> , Yiting Chen, Xu Cheng, Xin Wang, Meng Zhou, Jie Shi, Quanshi Zhang. A Unified Game-Theoretic Interpretation of Adversarial Robustness. <b>NeurIPS 2021</b> .	
INTERNSHIPS	<b>National Institute of Informatics.</b>   Tokyo, Japan • Research Intern, Advised by Prof. Mahito Sugiyama.	2023.09 - 2024.03
	<b>Mila Quebec.</b>   Montreal, Canada • Research Intern, Advised by Prof. Jian Tang.	2021.03 - 2021.06
AWARDS AND HONORS	• <b>National Scholarship (top 0.2%)</b> , Ministry of Education • <b>Top Internship Evaluation</b> , National Institute of Informatics • <b>Outstanding Graduate Student</b> , Shanghai Jiao Tong University, • <b>Yu Liming Scholarship</b> , Shanghai Jiao Tong University • <b>John Wu &amp; Jane Sun Scholarship</b> , Shanghai Jiao Tong University • <b>Best Technology Award in Summer Expo</b> , Shanghai Jiao Tong University	2024.11 2024.03 2022.05 2021.11 2020.11 2019.08
ACADEMIC SERVICES	<b>Conference Reviewer:</b> <i>ICML ('22-25), NeurIPS ('22-25), ICLR ('24-25), AISTATS '25</i> <b>Journal Reviewer:</b> <i>T-PAMI, Intelligent Computing (Science Partner)</i>	