

Ziao Yang

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EDUCATION	Brandeis University	Waltham, MA, USA
	Ph.D. Candidate in Computer Science <i>Advisor:</i> Professor Hongfu Liu	09/2023 - now
	Sun Yat-Sen University	Guangzhou, China
	B.Eng. in Computer Science and Technology	09/2018 - 06/2022
RESEARCH INTERESTS	<ul style="list-style-type: none">• Data Centric Learning: Detrimental Sample Identification, Sample Curation for Foundation Models, Data-Efficiency Training• Large Language Model: Sample Curation for Pre-Training and Post-Training, Reinforcement Learning, LLM as Judge	
INDUSTRY EXPERIENCE	• Adobe	San Jose, California
	Machine Learning Engineer Intern, <i>Mentor:</i> Dr. Lei Zhang	05/2025 - 08/2025
	Developed a multi-persona catchphrases generation system for brands (e.g., Coca-cola, Photoshop, Acrobat); designed structured prompts and a multi-pass pipeline that improved offline quality (LLM-as-judge + rule-based checks). Trained a reward model and applied PPO to optimize toward brand style.	
	• Y Combinator China	Beijing, China
	Personal Assistant, <i>Mentor:</i> Dr. Qi Lu	03/2023 - 07/2023
PUBLICATIONS	Crafted strategic presentations and financing materials for Dr. Qi Lu, e.g., “My Foundation Model Worldview.”	
	Led industry research and liaised with leading scientists from Microsoft Research, Meta, Nvidia Research, IDEA Research, and Shanghai AI Lab.	
	• International Digital Economy Academy (IDEA)	Shenzhen, China
	Research Intern, <i>Mentor:</i> Dr. Jiaxing Zhang	03/2022 - 07/2022
	Constructed Supervised pre-training datasets (27million) for multi-classification tasks using existing datasets and performed sub-task sampling.	
HONORS & AWARDS	Performed supervised pre-training on BERT using Meta-Learning algorithms (e.g., MAML, Reptile) to enlighten it with prior classification knowledge.	
	1. Ziao Yang , Longbo Huang, and Hongfu Liu. “Layer-Aware Influence for Online Data Valuation Estimation.” <i>arXiv preprint</i> arXiv:2510.16007, 2025.	
	2. Ziao Yang , Han Yue, Jian Chen, and Hongfu Liu. “Revisit, Extend, and Enhance Hessian-Free Influence Functions.” <i>arXiv preprint</i> arXiv:2405.17490, 2024.	
	3. Ziao Yang , Han Yue, Jian Chen, and Hongfu Liu. “On the Inflation of KNN-Shapley Value.” <i>arXiv preprint</i> arXiv:2405.17489, 2024.	
	4. Ziao Yang , Xiangrui Yang, and Qifeng Lin. “TCTN: A 3D-Temporal Convolutional Transformer Network for Spatiotemporal Predictive Learning.” <i>arXiv preprint</i> arXiv:2112.01085, 2021.	
PROFESSIONAL ACTIVITIES	5. Ziao Yang , Xiangrui Yang, and Qifeng Lin. “PTCT: Patches with 3D-Temporal Convolutional Transformer Network for Precipitation Nowcasting.” <i>arXiv preprint</i> arXiv:2112.01085, 2021.	
	• Tianchi Big Data Competition - AI Helps Weather Forecast (Top 1%)	2022
	<i>Alibaba Group</i>	
	• National Level of College Student Innovation Competition (Top 1)	2022
	<i>Sun Yat-Sen University</i>	
	• TCTN Official Implementation with 100+ stars on GitHub	2022 - now
	• Reviewer	
	◇ Neural Information Processing Systems (NeurIPS)	2023 - now
	◇ International Conference on Learning Representations (ICLR)	2024 - now