

# Xiangchi Yuan

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RESEARCH INTERESTS	Multi-modality, SFT/RL Reasoning Post-training, Long-context	
EDUCATION	<b>Georgia Institute of Technology</b> , Atlanta, GA Ph.D. in Computer Science Advisor: <a href="#">Professor Wenke Lee</a>	August 2024 -
	<b>Brandeis University</b> , Waltham, MA M.S. in Computer Science Brandeis University Merit Scholarship Mentor: <a href="#">Mr. Chunhui Zhang</a> , <a href="#">Professor Chuxu Zhang</a>	May 2024
	<b>University of Glasgow &amp; UESTC</b> , Glasgow, UK & Chengdu, CN B.Eng. in Electronic and Information Engineering	June 2022
	<b>Adobe Research</b> , San Jose, CA Research Intern Host: <a href="#">Dr. Xiang Chen</a> Developing optimal mixed LLM training strategy for reinforcement and supervised learning	May-Aug 2025
ONGOING PROJECTS	Video Sanity Checker A training-free pipeline automatically detects and reduces such hallucinations for high-quality captions. It surpasses the GPT4-o 47.5 % of the time.	<a href="#">[PDF]</a>
PAPERS	Superficial Self-Improved Reasoners Benefit from Model Merging <i>The 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , 2025 <a href="#">Xiangchi Yuan</a> , Chunhui Zhang, Zheyuan Liu, Dachuan Shi, Leyan Pan, Soroush Vosoughi, Wenke Lee	<a href="#">[PDF]</a> <a href="#">[Code]</a>
	Modality-Aware Neuron Pruning for Unlearning in Multimodal Large Language Models <i>The 63rd Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2025 Zheyuan Liu, Guangyao Dou, <a href="#">Xiangchi Yuan</a> , Chunhui Zhang, Zhaoxuan Tan, Meng Jiang	<a href="#">[PDF]</a> <a href="#">[Code]</a>
	Growing Through Experience: Scaling Episodic Grounding in Language Models <i>The 63rd Annual Meeting of the Association for Computational Linguistics (ACL Oral)</i> , 2025 Chunhui Zhang, Sirui Wang, Zhongyu Ouyang, <a href="#">Xiangchi Yuan</a> , Soroush Vosoughi	<a href="#">[PDF]</a> <a href="#">[Code]</a>
	LaCache: Ladder-Shaped KV Caching for Efficient Long-Range Generation of Large Language Models <i>International Conference on Machine Learning (ICML)</i> , 2025 Dachuan Shi, Yonggan Fu, <a href="#">Xiangchi Yuan</a> , Zhongzhi Yu, Haoran You, Sixu Li, Xin Dong, Jan Kautz, Pavlo Molchanov, Yingyan Celine Lin	<a href="#">[PDF]</a> <a href="#">[Code]</a>
	LongMamba: Enhancing Mamba’s Long-Context Capabilities via Training-Free Receptive Field Enlargement	<a href="#">[PDF]</a> <a href="#">[Code]</a>

*International Conference on Learning Representations (ICLR)*, 2025

Zhifan Ye, Kejing Xia, Yonggan Fu, Xin Dong, Jihoon Hong, **Xiangchi Yuan**, Shizhe Diao, Jan Kautz, Pavlo Molchanov, Yingyan Celine Lin

AmoebaLLM: Constructing Any-Shape Large Language Models for Efficient and Instant Deployment [PDF][Code]

*Neural Information Processing Systems (NeurIPS)*, 2024

Yonggan Fu, Zhongzhi Yu, Junwei Li, Jiayi Qian, Yongan Zhang, **Xiangchi Yuan**, Dachuan Shi, Roman Yakunin, Yingyan Celine Lin

Graph Cross Supervised Learning via Generalized Knowledge [PDF][Code]

*ACM International Conference on Knowledge Discovery and Data Mining (KDD Oral)*, 2024.

**Xiangchi Yuan**, Yijun Tian, Chunhui Zhang, Yanfang Ye, Nitesh V. Chawla, and Chuxu Zhang

Mitigating Emergent Robustness Degradation while Scaling Graph Learning [PDF][Code]

*International Conference on Learning Representations (ICLR)*, 2024

**Xiangchi Yuan\***, Chunhui Zhang\*, Yijun Tian, Yanfang Ye and Chuxu Zhang

Navigating Graph Robust Learning against All-Intensity Attacks [PDF][Code]

*International Conference on Machine Learning - New Frontiers in Adversarial Machine Learning Workshop (ICML Workshop)*, 2023

**Xiangchi Yuan**, Chunhui Zhang, Yijun Tian, and Chuxu Zhang

An End-to-End 12-Leading Electrocardiogram Diagnosis System Based on Deformable Convolutional Neural Network With Good Antinoise Ability [PDF][Code]

*IEEE Transactions on Instrumentation and Measurement (IEEE TIM)*, 2021

Lang Qin, Yuntao Xie, Xinwen Liu, **Xiangchi Yuan**, and Huan Wang

#### HONORS AND AWARDS

Brandeis University Merit Scholarship (\$ 40,000) 2022 & 2023

Brandeis University Conference Award 2023

UESTC Outstanding Student Scholarship 2020 & 2021

#### TEACHING EXPERIENCE

**Georgia Institute of Technology**, Atlanta, GA

Teaching Assistant, CS6476 Computer Vision Spring 2025

Teaching Assistant, CS6035 Introduction to Information Security Fall 2025

**Brandeis University**, Waltham, MA

Head Teaching Assistant, MATH-125A Mathematics for Machine Learning Fall 2023

#### INVITED TALKS

Brandeis University Research Retreat July 2023 & 2024

Georgia Tech OMSCS Brown Bag Talks March 2025

#### SERVICE

**Program Committee/Conference Reviewer**

WWW 2023, ICML 2023, ICLR 2024, ICASSP 2024, PAKDD 2024, COLING 2024, KDD 2024, NeurIPS 2024, ICLR 2025, ICML 2025, NeurIPS 2025, EMNLP 2025