

Xiangchi Yuan

CONTACT

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RESEARCH INTERESTS

Multi-modality, SFT/RL Reasoning Post-training, Long-context

EDUCATION

Georgia Institute of Technology, Atlanta, GA
Ph.D. in Computer Science
Advisor: Professor Wenke Lee

August 2024 -

Brandeis University, Waltham, MA
M.S. in Computer Science
Brandeis University Merit Scholarship
Mentor: Mr. Chunhui Zhang, Professor Chuxu Zhang

May 2024

University of Glasgow & UESTC, Glasgow, UK & Chengdu, CN
B.Eng. in Electronic and Information Engineering

June 2022

EXPERIENCE

Adobe Research, San Jose, CA

Research Intern

May-Aug 2025

Host: Dr. Xiang Chen

Developing optimal mixed LLM training strategy for reinforcement and supervised learning

ONGOING PROJECTS

Video Sanity Checker

[PDF]

A training-free pipeline automatically detects and reduces such hallucinations for high-quality captions. It surpasses the GPT4-o 47.5 % of the time.

PAPERS

Superficial Self-Improved Reasoners Benefit from Model Merging

[PDF]

Submitted to EMNLP'25 with Rating 3.5/3.5/4 | We identify Superficial Self-Improved Reasoners phenomenon during LLM self-improvement and mitigate it via iterative model merging
Xiangchi Yuan, Chunhui Zhang, Zheyuan Liu, Dachuan Shi, Soroush Vosoughi, Wenke Lee

Modality-Aware Neuron Pruning for Unlearning in Multimodal Large Language Models

[PDF] [Code]

The 63rd Annual Meeting of the Association for Computational Linguistics (ACL), 2025
Zheyuan Liu, Guangyao Dou, **Xiangchi Yuan**, Chunhui Zhang, Zhaoxuan Tan, Meng Jiang

Growing Through Experience: Scaling Episodic Grounding in Language Models

[PDF] [Code]

The 63rd Annual Meeting of the Association for Computational Linguistics (ACL Oral), 2025
Chunhui Zhang, Sirui Wang, Zhongyu Ouyang, **Xiangchi Yuan**, Soroush Vosoughi

LaCache: Ladder-Shaped KV Caching for Efficient Long-Range Generation of Large Language Models

[PDF][Code]

International Conference on Machine Learning (ICML), 2025

Dachuan Shi, Yonggan Fu, **Xiangchi Yuan**, Zhongzhi Yu, Haoran You, Sixu Li, Xin Dong, Jan Kautz, Pavlo Molchanov, Yingyan Celine Lin

LongMamba: Enhancing Mamba's Long-Context Capabilities via Training-Free Receptive Field Enlargement

[PDF][Code]

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