Fangxu Yu

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EDUCATION

University of Maryland, College Park — 2025.09 - Present
Ph.D. in Computer Science
- Advisor: Prof. Yaodong Yu & Prof. Tianyi Zhou

Nanjing University — 2022.09 - 2025.06
Master of Computer Science
- Advisor: Prof. Xinyu Dai & Prof. Zhen Wu

Xidian University — 2018.09 - 2022.06
Bachelor of Computer Science

EXPERIENCE

WeChat AI, Tencent Inc. — 2025.06 - 2025.08
Research Intern
- Mentors: Liqiang Niu & Ziyao Lu
- Worked on video understanding and reasoning.

University of California, San Diego — 2023.09 - 2025.04
Research Intern at CSE Department
- Advisor: Prof. Lianhui Qin
- Worked on LLM Jailbreaking and LLM multi-step reasoning.

University of Illinois Urbana-Champaign — 2023.12 - 2024.02
Research Intern at ECE Department
- Advisor: Prof. Bin Hu
- Worked on LLM Jailbreaking.

PUBLICATIONS

- **Fangxu Yu**, Xingang Guo, Lingzhi Yuan, Haoqiang Kang, Hongyu Zhao, Furong Huang, Lianhui Qin, Bin Hu, Tianyi Zhou, "TSRBench: A Comprehensive Multi-task Multi-modal Time Series Reasoning Benchmark for Generalist Models", **Under Review, ICML 2026**

- **Fangxu Yu**, Ziyao Lu, Liqiang Niu, Fandong Meng, Jie Zhou, "ArrowGEV: Grounding Events in Video via Learning the Arrow of Time", **Under Review, ACL 2026**

- **Fangxu Yu**, Hongyu Zhao, Tianyi Zhou, "TS-Reasoner: Aligning Time Series Foundation Model with LLM Reasoning", **Under Review, ACL 2026**

- Matthew Ho, Chen Si, Zhaoxiang Feng, **Fangxu Yu**, Yichi Yang, Zhijian Liu, Zhiting Hu, Lianhui Qin, "ArcMemo: Abstract Reasoning Composition with Lifelong LLM Memory", **Under Review, ICLR 2026**

- **Fangxu Yu**, Lai Jiang, Shenyi Huang, Zhen Wu, Xinyu Dai, "PersuasiveToM: A Benchmark for Evaluating Machine Theory of Mind in Persuasive Dialogues.", **Arxiv**

- **Fangxu Yu**, Junjie Guo, Zhen Wu, Xinyu Dai, "Beyond Verbal Cues: Emotional Contagion Graph Network for Causal Emotion Entailment", in **Findings of ACL 2025**

- **Fangxu Yu***, Lai Jiang*, Haoqiang Kang*, Shibo Hao, Lianhui Qin, "Flow of Reasoning: Training LLMs for Divergent Reasoning with Minimal Examples", in **ICML 2025**

- Xingang Guo*, **Fangxu Yu***, Huan Zhang, Lianhui Qin, Bin Hu, "COLD-Attack: Jailbreaking LLMs with Stealthiness and Controllability", in **ICML 2024**

- **Fangxu Yu**, Junjie Guo, Zhen Wu, Xinyu Dai. "Emotion-Anchored Contrastive Learning Framework for Emotion Recognition in Conversation", in **Findings of NAACL 2024**

- Sanghyun Son, Suyoung Lee, Seungjun Nah, ..., **Fangxu Yu**, et al., "NTIRE 2021 Challenge on Video Super-Resolution", in **CVPR Workshop 2021**

- Wenchao Chen, Bo Chen, Yicheng Liu, Xiaojun Peng, Haoyang Fan, **Fangxu Yu** and Hongwei Liu."Bidirectional Recurrent Gamma Belief Network for HRRP Target Recognition", in **Signal Processing 2021**

Technical Skills

Programming Skills: C, Python, Pytorch, Pytorch Geometric
Language: Chinese (Native), English (Fluent)

Professional Services

Conference Reviewer: EMNLP, ICLR, NLPCC, AAAI, ARR
Journal Reviewer: TPAMI, TASL

Awards and Honors

UMD Graduate School Dean's Fellowship, 2025
Outstanding Master's Thesis Award, 2025
Xiaomi Scholarship, 2024