

# Fangxu Yu

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## EDUCATION

<b>University of Maryland, College Park</b> <i>Ph.D. of Computer Science</i> <ul style="list-style-type: none"><li>• Advisor: Prof. Yaodong Yu &amp; Prof. Tianyi Zhou</li></ul>	2025.09 - 2030.06(Expected)
<b>Nanjing University</b> <i>Master of Computer Science and Technology</i> <ul style="list-style-type: none"><li>• GPA: 86 / 100</li><li>• Advisor: Prof. Xinyu Dai &amp; Prof. Zhen Wu</li></ul>	2022.09 - 2025.06
<b>Xidian University</b> <i>Bachelor of Computer Science and Technology</i> <ul style="list-style-type: none"><li>• GPA: 3.8 / 4.0, Rank: 2 / 119</li></ul>	2018.09 - 2022.06

## EXPERIENCE

<b>University of California, San Diego</b> <i>Research Intern at CSE Department</i> <ul style="list-style-type: none"><li>• Advisor: Prof. Lianhui Qin</li><li>• Worked on LLM Jailbreaking and LLM multi-step reasoning.</li></ul>	2023.09 - Present
<b>University of Illinois Urbana-Champaign</b> <i>Research Intern at ECE Department</i> <ul style="list-style-type: none"><li>• Advisor: Prof. Bin Hu</li><li>• Worked on LLM Jailbreaking.</li></ul>	2023.12 - 2024.02
<b>Xidian University</b> <i>Research Intern at School of Electronic Engineering</i> <ul style="list-style-type: none"><li>• Advisor: Prof. Bo Chen</li><li>• Worked on probabilistic modeling.</li></ul>	2020.09 - 2022.06
<b>Xidian University</b> <i>Research Intern at School of Artificial Intelligence</i> <ul style="list-style-type: none"><li>• Advisor: Prof. Fanhua Shang</li><li>• Worked on spatio-temporal video super-resolution.</li></ul>	2021.01 - 2021.04

## PUBLICATIONS

- **Fangxu Yu**, Lai Jiang, Shenyi Huang, Zhen Wu, Xinyu Dai, "PersuasiveToM: A Benchmark for Evaluating Machine Theory of Mind in Persuasive Dialogues.", **Under Review, ACL 2025**
- **Fangxu Yu**, Lai Jiang, Haoqiang Kang, Shibo Hao, Lianhui Qin, "Flow of Reasoning: Training LLMs for Divergent Problem Solving with Minimal Examples", **Under Review, 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, "Beyond Verbal Cues: Emotional Contagion Graph Network for Causal Emotion Entailment", **Under Review, ACL 2025**
- **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

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**Programming Skills:** C, Python, Pytorch, Pytorch Geometric

**Language:** TOEFL: 97 (R: 27, L: 27, S: 22, W: 21)

## PROFESSIONAL SERVICES

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**Teaching Assistant:** Introduction to AI programming, Nanjing University Spring, 2023

**Conference Reviewer:** EMNLP 2024, ICLR 2025, ARR

## AWARDS AND HONORS

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Xiaomi Scholarship, 2024

First Prize of Excellent Student Scholarship of XDU, 2020

Second Prize of Excellent Student Scholarship of XDU, 2019

Second prize in the National Mathematics Competition for College Students, 2019, 2020

First prize in the Shaanxi Advanced Mathematics Competition, 2019.