

Xi Shi

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EDUCATION

University of Central Florida Ph.D. in Computer Science (Advisor: Prof. Qian Lou)	Aug 2025 – Present
Texas A&M University Master of Science in Computer Science (Advisor: Prof. Ruihong Huang)	Aug 2023 – May 2025 GPA 3.83/4
Jilin University B.Sc. in Computer Science and Technology	Sept 2019 – Jun 2023 GPA top 10%(dept)

PUBLICATIONS

[Learning Latency-Aware Orchestration for Parallel Multi-Agent Systems](#)

Xi Shi, Mengxin Zheng, Qian Lou

Under Review at ARR (submitted Jan 2026)

- Proposed **LAMaS**, a framework enabling layer-wise parallel execution for multi-agent systems to reduce inference latency.
- Designed a **critical-path-aware credit assignment** mechanism within the reward function to explicitly optimize the longest execution chain in DAG-based topologies.
- Achieved **38-46% reduction** in critical path length compared to SOTA (MaAS) on GSM8K, HumanEval, and MATH, while maintaining competitive task performance.

[Hidden in Plain Sight: Evaluation of the Deception Detection Capabilities of LLMs](#)

Md Messal Monem Miah, Adrita Anika, **Xi Shi**, Ruihong Huang

Proceedings of ACL 2025 (Main Conference)

- Conducted large-scale zero-shot and few-shot evaluations of LLMs and large multimodal models (LMMs) on deception detection benchmarks (RLTD, MU3D).

[LegalCore: A Dataset for Event Coreference Resolution in Legal Documents](#)

Kangda Wei, **Xi Shi**, Jonathan Tong, et al.

Proceedings of ACL 2025 (Findings)

- Built reproducible experiment pipelines and benchmarked LLMs vs. supervised models on long-context legal documents.

OTHER RESEARCH EXPERIENCE

Jailbreak Resistance in LLMs/VLMs

May 2024 - Aug 2024

Texas A&M University — NLP Lab

- Studied robustness and adversarial behaviors of LLMs/VLMs under jailbreak settings.

RESEARCH INTERESTS

Multi-agent LLM systems, agent orchestration and routing, parallel execution and latency optimization, tool-augmented reasoning, and efficient agent system design.

SKILLS

Programming Skills: Python, PyTorch, C/C++, bash, HTML/CSS, L^AT_EX