

# Xi Shi

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## EDUCATION

<b>University of Central Florida</b>	Aug 2025 – Present
Ph.D. in Computer Science (Advisor: <a href="#">Prof. Qian Lou</a> )	
<b>Texas A&amp;M University</b>	Aug 2023 – May 2025
Master of Science in Computer Science (Advisor: <a href="#">Prof. Ruihong Huang</a> )	GPA 3.83/4
<b>Jilin University</b>	Sept 2019 – Jun 2023
B.Sc. in Computer Science and Technology	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<sup>A</sup>T<sub>E</sub>X