

# SHANGLIN(JASON) WU

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## Research Interests

My research focuses on developing the next generation of autonomous AI agents, with a specific emphasis on two fundamental pillars: enabling lifelong learning and ensuring reliable multi-agent collaboration. I am driven by the challenge of building agentic systems that can adapt continuously to new experiences and collaborate effectively to solve complex, high-stakes problems in real-world environments.

## Education

### Emory University, Computer Science

*Ph.D. in Computer Science and Informatics*

Advisor: Dr. Kai Shu

August 2025 – Now

Atlanta, USA

### Peking University, Tong Class

*Bachelor of Artificial Intelligence, Computer Science*

September 2021 – May 2025

Beijing, China

## Conferences

**Shanglin Wu** and Kai Shu. “Memory in LLM-based Multi-agent Systems: Mechanisms, Challenges, and Collective Intelligence.” *Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)*, 2026.

## Preprints

**Shanglin Wu**, Lihui Liu, Jinho D. Choi, and Kai Shu. “Improving Factuality in LLMs via Inference-Time Knowledge Graph Construction.” *arXiv preprint*, 2025.

## Research Experience

### Research Intern

*Microsoft Research Asia Alumni*

March 2025 - July 2025

Beijing, China

- Mentor: Rui Ding
- Developed an LLM agent for conditional independence testing using SFT and RL. The agent achieves outstanding results across both CI-test tasks and broader causal discovery applications.

### Research Intern

*Beijing Institute for General Artificial Intelligence (BIGAI)*

June 2023 – September 2023

Beijing, China

- Contributed to the development of CivRealm, a novel multi-agent environment based on the Civilization game for research in strategic decision-making and agent cooperation.
- Our team’s groundbreaking findings were accepted for presentation at the ICLR 2024.

## Teaching Experience

### CS 470: Data Mining

*Graduate Teaching Assistant*

Spring 2026

Emory University

### CS 370: Computer Science Practicum

*Graduate Teaching Assistant*

Fall 2025

Emory University

## Academic Service

### Reviewer

*ICLR{2026}, TACL{2026}, WWW{2026}, ACL ARR{2025}, IEEE CogMI{2025}, IEEE BigData{2026}, SIGIR{2026}.*

## Awards

### Research Competition Paper Award

*The National Conference on Supply Chain and Operation Management(ISCOM) 2023*

December 2023

### Scholarship

*Peking University Freshman Scholarship*

December 2021