

HU Shicheng

Email: shu40@illinois.edu

EDUCATION

University of Illinois Urbana-Champaign — Master of Computer Science (MCS) | Expected May 2028

Tongji University — B.E. in Computer Science and Technology | National Scholarship | Jul 2026

TECHNICAL SKILLS

Programming Languages: Python, C++

AI/ML: Multi-Agent Systems, LLM Inference & Evaluation, Model Unlearning

Tools: Git, Linux, Protocol Buffers, OpenGL

INTERNSHIP

NIO Inc., Shanghai, China

07/2025 – 11/2025

System AI Engineer Intern

- Conducted data preprocessing for path-planning models, addressing model limitations and improving alignment with real-world driving scenarios by adjusting input features to induce safer and more realistic routing strategies.
- Researched recent reinforcement learning (RL) applications in autonomous driving and trained path-planning models to better reflect natural driver behavior patterns.
- Developed automated testing tools for autonomous-driving model communication and robustness, reducing manual coding.

ACADEMIC EXPERIENCES

On the Recoverability of Private Information Unlearning in Large Language Models

05/2025 – 08/2026

Research Assistant, Supervisor: Prof. Mao Yongyi, University of Ottawa

- Developed a white-box LLM unlearning audit framework, introducing a synthetic private-information dataset and RIG decoding to recover residual knowledge from low-probability logits.
- Evaluated five unlearning methods on DeepSeek-7B, achieving 97% information recovery and exposing limitations.
- Led experimental implementation and evaluation; co-authored the resulting paper, available on arXiv.

Computational Properties of Organized Complexity Simulation

02/2025 – 06/2026

Independent Research, Supervisor: Prof. Wang Cheng, Tongji University

- Developed a theoretical framework for behavioral simulation, defining computational properties to assess validity.
- Built a DeepSeek-7B-powered multi-agent simulation with belief-state inference to improve future behavior prediction.

Future Scientific Paradigms in Aerospace Systems (Published)

07/2024 – 12/2024

- Led perspective writing on data-driven aerospace paradigms, smart materials, and deep-space exploration; published as third author in National Science Report.

COURSE PROJECTS

“InnBook” – LLM-AI-Agent Powered Creative Interaction Platform

05/2025 – 12/2025

- Developed a modular multi-agent framework with hierarchical prompting, LLM inference, and scene orchestration.
- Implemented turn-based scheduling and agent-specific behavior for interactive storytelling.

Offline Ray-Traced Fluid Simulation (C++ / OpenGL)

10/2024 – 12/2024

- Built a rendering and physics simulation system integrating ray tracing, APIC fluid simulation, and rigid-body dynamics.
- Optimized rendering performance using multithreading and BVH acceleration.

LEADERSHIP & ACTIVITIES

Illini Rowing | Rower

09/2026 – Present

Tongji University Dragon Boat Team | Team Leader

02/2024 – 06/2026