Shengxin (Jack) Zhang

M.S. Student in Electrical and Computer Engineering | University of Illinois Urbana-Champaign
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Research Interests

LLM safety | LLM agent evaluation | Multi-agent collaboration | Simulation for embodied AI

Education

University of Illinois Urbana-Champaign — Urbana-Champaign, IL
M.S. in Electrical and Computer Engineering | Advisor: Prof. Varun Chandrasekaran — In progress
B.S. in Computer Engineering, Minor in Statistics | GPA: 3.85 / 4.00 — 2026

Publication

Do AI Reviewers Converge? Diversity Collapse in Model-Generated Peer Review
Xuzhe Hou, **Shengxin Zhang**, Riley Stacy, Emily Black, and Varun Chandrasekaran
Findings of EMNLP 2026 [ACL Anthology]

- Built an asynchronous evaluation pipeline for five LLMs, comparing 10,172 model-generated reviews with 1,943 human reviews across 509 ICLR papers.
- Measured praise-to-critique balance and semantic similarity; specialized review agents reduced review convergence, with some effects persisting.

Research Experience

Shanghai AI Laboratory — Summer 2026
Scientific Simulation and 3D Asset Generation

- Developed Isaac Sim scenes and 3D scientific assets for chemical experiments, including boiling, precipitation, and dissolution in dual-arm robot simulations.

University of Illinois Urbana-Champaign — Ongoing
LLM Training Data Provenance

- Designing controlled experiments to test whether black-box audits can detect the use of marked training examples after paraphrasing, with model utility evaluated separately.

Westlake University — 2025
Multimodal Biometric Representation | with Prof. Yandong Wen

- Built a voice-to-face pipeline for uncertainty-aware 3D facial estimation.

Carnegie Mellon University — Summer 2023
Fairness Under Distribution Shift | with Prof. Pradeep Ravikumar

- Tested a fairness-aware PyTorch model under demographic and other distribution shifts.

Selected Robotics Project

Autonomous Parallel Parking — Spring 2026
University of Illinois Urbana-Champaign

- Used LiDAR and odometry to detect parking spaces; implemented a finite-state controller for parallel parking in ROS 2, tested in Gazebo and on a Polaris GEM vehicle.

Teaching & Skills

Teaching Graduate TA, ECE 385. Previously course assistant for CS 124, ECE 110, and STAT 400.
Technical Python, C/C++, PyTorch, scikit-learn, Isaac Sim, ROS 2, Gazebo, Git, SystemVerilog