Wenbo Li

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Education

2025 - present	Ph.D. in Computer Science	**North Carolina State University**
2023 - 2025	M.S. in Computer Science	**University of Southern California**
2019 - 2023	B.Eng. in Computer Science	**Hong Kong University of Science and Technology**

Experience

Teaching Assistant   Aug 2025 - present
North Carolina State University

Research Assistant   Aug 2025 - present
Northeastern University, advised by Prof. Dakuo Wang.

Projects

Creating Agentic Simulation Pipeline and Benchmark Dataset for Parent-Child Conversations over Sensitive Topics
Advised by Dr. Tiffany Barnes & Dr. Dongkuan Xu @ NCSU   Sept 2025 - Present

Designed and Experimented with the agentic pipeline to generate parent-child conversations over sexual health topics. Ongoing work includes crafting data source and designing expert evaluation rubrics.

Designing and Evaluating Strategies for LLM Agents to Advance Knowledge Co-Construction in Asynchronous Online Discussions
Advised by Prof. Xiaojuan Ma @ HKUST   Mar 2025 - Sept 2025

Designed and executed user studies, including a group interview as formative study and a large scale user experiment. Designed and developed the experiment platform and agent architecture.

Creating Dataset for Evaluating LLMs on Human Online Shopping Behavior Simulation
Advised by Prof. Dakuo Wang @ Northeastern University   Oct 2024 - May 2025

Assist with Chrome Plug-in Development to gather user interaction traces by analyzing and parsing real world web structures. Assist with post-processing of user interaction data

Publications

Sun, Lu et al. (2025). "LLM Agent Meets Agentic AI: Can LLM Agents Simulate Customers to Evaluate Agentic-AI-based Shopping Assistants?" In: *arXiv preprint arXiv:2509.21501*.

Wang, Ziyi et al. (2025). "OPeRA: A Dataset of Observation, Persona, Rationale, and Action for Evaluating LLMs on Human Online Shopping Behavior Simulation". In: *arXiv preprint arXiv:2506.05606*.

Zhang, Yuanhao et al. (2025). "" Shall We Dig Deeper?": Designing and Evaluating Strategies for LLM Agents to Advance Knowledge Co-Construction in Asynchronous Online Discussions". In: *arXiv preprint arXiv:2509.23327*.

Skills

Full Stack Development	Frontend Development with Vue.js and React.js, Backend Development with Python (Flask), JavaScript (Express)
LLM-based Agent Development	Design and Develop LLM-based agents using APIs and different frameworks
Software Engineering Practices	Follow standard software engineering practices such as Git Issues and Pull Requests.