

Yukun Yang

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Education

Tongji University
B.S.E. in Software Engineering
◦ GPA: 4.52/5.0 (90.23/100)

Sept 2022 – June 2026

Research Paper

Supporting Co-Adaptive Machine Teaching through Human Concept Learning and Cognitive Theories CHI 2025

🏆 **Best Paper Award (Top 1% of submissions)**

Simret Gebreegziabher, **Yukun Yang**, Elena L. Glassman, Toby Jia-Jun Li

<https://arxiv.org/abs/2409.16561> ↗

DiLLS: Interactive Diagnosis of LLM-based Multi-agent Systems via Layered Log Summary CHI 2026

Rui Sheng*, **Yukun Yang***, Chuhan Shi, Yanna Lin, Zixin Chen, Huamin Qu, Furui Cheng

The Behavioral Fabric of LLM-Powered GUI Agents: Human Values and Interaction Outcomes IUI 2026

Simret Gebreegzuabher, **Yukun Yang**, Charles Chiang, Hojun Yoo, Chaoran Chen, Hyo Jin Do, Zahra Ashktorab, Werner Geyer, Diego Gómez-Zará, Toby Jia-Jun Li

<https://arxiv.org/abs/2601.16356> ↗

Demo / Workshop Papers

EvalAgent: Interactive Comparative Evaluation of Computer-Using GUI Agents IUI 2026 Demo

Yukun Yang, Simret Araya Gebreegziabher, Hojun Yoo, Charles Chiang, Chaoran Chen, Annalisa Szymanski, Hyo Jin Do, Zahra Ashktorab, Werner Geyer, Diego Gómez-Zará, Toby Jia-Jun Li

Internships

Research Assistant (ISURE Program) *South Bend, Indiana*
University of Notre Dame (supervised by Toby Li) *June 2024 – Aug 2024*

Mocha: Contributed to the evaluation and improvement of the annotation system.

- Refined system counterfactual generation through prompt engineering, enhancing the reliability of synthetic data.
- Designed and conducted user experiments to systematically assess tool effectiveness.
- Performed literature review and contributed to the writing of the study, situating findings within existing research.

Research Assistant (ISURE Program) *South Bend, Indiana*
University of Notre Dame (supervised by Toby Li) *June 2025 – Aug 2025*

Agent Evaluation: Contributed to the design and development of an evaluation framework for web agents.

- Conducted a literature review to identify key challenges and gaps in existing evaluation methods, noting that most focus on outcomes rather than trajectories.
- Designed experiments to compare behavioral differences across multiple persona-configured agents performing identical tasks, leveraging the Browser Use framework.
- Built simulated websites (testbeds) as controlled environments to elicit clearer behavioral variations among agents.

- Developed a tool that enable users to explore how different agent configurations influence agent behavior, enhancing sensemaking in evaluation.

Research Assistant

The Hong Kong University of Science and Technology, VIS Lab

Remote

Oct 2024 – May 2025

- **AgentExplainer:** Contributed to the design and implementation of a visualization system for agent communication.
 - Designed and implemented a prototype using the LangChain framework to model agent communication with debate theories.
 - Constructed a custom dataset to validate debate-theory-based reasoning.
 - Conducted user studies with domain experts to evaluate the system's effectiveness in supporting reasoning validation.
- **DiLLS:** Researched and prototyped a multi-agent debugging support system.
 - Conducted a formative study to identify key debugging challenges in multi-agent systems (e.g., loss of context, overwhelming data).
 - Designed and implemented a system to support developer sensemaking and insight generation during debugging
 - Conducted a user study with 12 developers to evaluate Dills' effectiveness in failure identification

Winter@AIR

Institute for AI Industry Research, Tsinghua University (supervised by Jiangtao Gong)

Beijing, China

Jan 2025 – Feb 2025

SSupporter: Contributed to the study of LLM-based counseling agents and their alignment with human strategies.

- Performed literature review on alignment between LLM-based agents and human strategies in collaborative contexts.
- Conducted formative studies with therapists from diverse schools of thought (e.g., psychodynamic, humanistic).
- Identified opportunities for improving counseling agents' alignment with real human practitioners.

Technologies

Technologies: C++/C, Java, JavaScript/TypeScript, Python, Vue/React(framework), LangChain(framework)

Languages: English (Toefl 108), Basic German

Awards

Second-class Scholarship, Tongji University (2022–2023)

Second-class Scholarship, Tongji University (2023–2024)

Travel Grant, YFEL Program, Abu Dhabi (2025–2026) *Selected participant; fully funded (x2)*

National College Water Polo Championship, 4th Place, Zunyi Guizhou(2025) *Selected athlete; travel grant*

Sports Merit Award, Tongji University (2024–2025)

Encouragement Prize