Zixuan Wang

Google Scholar | Email | Website | LinkedIn

Education

Tsinghua University, Beijing, China **2023/09 – 2027/06**

B.S. (in progress) in Physics Department [Transcript]

- **GPA:** 3.9/4.0 **(Top 15%)** Major: **Mathematics and Physics**, Minor: **Artificial Intelligence**
- **Skills:** Claude Code, Codex, Python, C/C++, SGlang, VeRL, Unsloth, PyTorch, TRL, Slime
- **Languages:** TOEFL 110 | GRE 151+170+3.5

University of California San Diego, La Jolla, CA, USA **2025/09 – 2026/01**

Visiting Student, funded by UCEAP [Transcript]

- **GPA:** 3.9/4.0 Major: **Computer Science**

Research Interests

Agentic RL · Agent Harness · Agent Evaluation · Data Synthesis · Machine Learning

Manuscripts

[1] LifeTrail: Benchmarking Multimodal Memory, Personalization, and Proactive Assistance over Long-Horizon Real-World Life Traces

Project Leader, supervised by Prof. Miao Liu | Tsinghua University & Looki AI **2026/07 – 2026/11**

In Submission to CVPR2027 **[Paper]** **[Project]**

Zixuan Wang, *Dayu Yue, Yilin Gui, Yufeng Zhou, Bocong Liu†, Miao Liu†*

- We built a benchmark of **16 tasks** across **memory**, **personalization**, **proactive assistance**, and **multimodal grounding**.
- We benchmarked **memory systems**, **RAG**, and **22 frontier models**; the strongest reaches only **74%** on LifeTrail-Hard.

[2] Mind2Dialogue: Training Human-Aware Language Models by Simulating User Mental States

Project Leader, supervised by Prof. Zhen Wang | UC San Diego, HDSI, Zhiting Hu's Lab **2025/11 – 2026/04**

NeurIPS2026 BiAlign Workshop (In Submission to ICLR2027) **[ArXiv]** **[Project]**

Zixuan Wang*, *Yufan Zhou*, Jinzhou Tang*... Zhiting Hu, Zhen Wang†* (*Equal Contribution)

- We proposed a **scalable data synthesis framework** and **privileged distillation** and for **LLM post-training**.
- Models trained on the corpus improve greatly on **personalization** tasks and generalize to **Theory-of-Mind** tasks.

[3] Harness Learning Enables Generalizable Test-Time Adaptation

Core Contributor, supervised by Prof. Andrea Zanette | Carnegie Mellon University, ECE **2026/04 – 2026/09**

CoLM2026 LLA Workshop | **Spotlight Oral** (In Submission to ICLR2027) **[Arxiv]** **[Project]**

Alvin Zhang, Xuecheng Liu*, **Zixuan Wang***... Daniel Khashabi, Yuda Song†, Andrea Zanette†* (*Equal Contribution)

- We proposed **harness learning**: a proposer model is trained to revise scaffolding harness from observed agent rollouts.
- We evaluate the method on **Reasoning and Multi-hop QA**. The results show strong generalization.

Work Experience

Looki AI, Looki Tech Limited Looki AI

Research Intern at Model Team, Project Leader of **LifeTrail** benchmark. | **Paper** **Beijing, China**

- Built data pipeline structuring over **1,000** user profiles for large scale human attribute taxonomy research from scratch.
- Turned **180k+** multimodal life records from **150+** users into **1,327** benchmark questions with agentic data pipeline.

MiroMind AI, Shanda Group MiroMind AI

Research Intern at Agentic RL Team, supervised by Dr. Yuntao Chen and Prof. Jifeng Dai **Beijing, China – Hybrid**

- Contribute to **MiroThinker**: Pushing the Performance Boundaries of **Open-Source Research Agents** | **Technical Report**
- Core Contributor to **RC3:** Rollout Chunking with Context Compression for **Acceleration Agentic RL** | **Technical Blog**

Scholarship

- Tsinghua University **Comprehensive Merit Scholarship**, 2024 | 2025, Awarded RMB 25,000
- Tsinghua University Xuetang and Pandeng Program List, Awarded RMB 8,000 Annually

Activities

Tinker Robot Team, Future Robotics Club, Team Member, **National Representative Member** RoboCup 2025 @Home in Brazil, 8th Globally.