

JUNLI WANG

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EDUCATION

Tsinghua University, Beijing, China

09/2021 – 07/2025

B.Eng. in Computer Science and Technology, GPA: 3.92/4.00

PUBLICATIONS

(* stands for equal contribution)

[1] (ICML25') Aguviz: Unified Pure Vision Agents for Autonomous GUI Interaction.

Yiheng Xu*, Zekun Wang*, **Junli Wang***, Dunjie Lu, Tianbao Xie, Amrita Saha, Doyen Sahoo, Tao Yu, Caiming Xiong

[Page] [PDF]

[2] (ICLR25') AgentTrek: Agent Trajectory Synthesis via Guiding Replay with Web Tutorials.

Yiheng Xu*, Dunjie Lu*, Zhennan Shen*, **Junli Wang**, Zekun Wang, Yuchen Mao, Caiming Xiong, Tao Yu

[Page][PDF]

[3] (Preprint) OpenCUA: Open Foundations for Computer-Use Agents.

Xinyuan Wang*, Bowen Wang*, Dunjie Lu*, Junlin Yang*, Tianbao Xie*, **Junli Wang*** et al.

[4] (Preprint) Scaling Computer-Use Grounding via User Interface Decomposition and Synthesis

Tianbao Xie*, Jiaqi Deng*, Xiaochuan Li*, Junlin Yang*, Haoyuan Wu, Jixuan Chen, Wenjing Hu, Xinyuan Wang, Yuhui Xu, Zekun Wang, Yiheng Xu, **Junli Wang**, Doyen Sahoo, Tao Yu, Caiming Xiong

RESEARCH EXPERIENCE

XLang Lab, The University of Hong Kong

Hong Kong

Research Assistant to Prof. Tao Yu

04/2024 – 12/2024

Topic: **Multimodal Computer Use Agents**

PROJECTS

OSWorld: Benchmarking Multimodal Agents for Open-Ended Tasks in Real Computer Environments

06/2024 – 10/2024

- Established a comprehensive benchmark framework with 369 diverse real-world tasks in an authentic operating system environment.
- Engineered a scalable Docker-based testing infrastructure with parallel execution capabilities, achieving 8x throughput improvement in agent evaluation.

SELECTED AWARDS AND HONORS

Scholarship

- THU Comprehensive Excellence Award 2024
- THU Comprehensive Excellence Award 2023

ADDITIONAL INFORMATION

Skills

- High Performance Computing Frameworks:** Cuda

Selected Courses

- Probability and Statistics (100/100), High Performance Computing (A)