Dunjie Lu

ludj1219@gmail.com +86 159-1450-2226 https://ludunjie1219.github.io ludunjie1219

Education

The University of Hong Kong, Hong Kong 06/2025 – Present

Ph.D. in Computer and Data Science Advised by Prof. Tao Yu

Sun Yat-sen University, Guangzhou · China 09/2021 – 06/2025

B.S. in Computer Science Outstanding Graduate (Top 1%)

Internships

Alibaba Qwen Team, Beijing · China 05/2025 – Present

Mentors: Binyuan Hui, Junyang Lin

- **Qwen3-VL:** Led model development for computer-use and GUI grounding capabilities.
  - **Computer Use:** Open-source SOTA on OSWorld and Windows Agent Arena.
  - **GUI Grounding:** SOTA on ScreenSpot Pro and OSWorldG.

Selected Awards and Honors

- National Scholarship 12/2022
- SYSU Outstanding Scholarship 12/2022, 12/2023, 12/2024

Selected Publications and Projects

(* denotes equal contribution)

[1] **(ICLR 2026)** VideoAgentTrek: Computer Use Pretraining from Unlabeled Videos.
Dunjie Lu, Yiheng Xu, Junli Wang, Haoyuan Wu, Xinyuan Wang, Zekun Wang, Junlin Yang, Hongjin Su, Jixuan Chen, Junda Chen, Yuchen Mao, Jingren Zhou, Junyang Lin, Binyuan Hui, Tao Yu
[Page] [arXiv]

[2] **(Core Contributor)** Qwen3-VL Technical Report.
Shuai Bai, Yuxuan Cai, Ruizhe Chen, Keqin Chen, Xionghui Chen, ... , **Dunjie Lu**, ... , Jingren Zhou, Fan Zhou, Jing Zhou, Yuanzhi Zhu, Ke Zhu
[Page] [arXiv]

[3] **(NeurIPS 2025 Spotlight)** OpenCUA: Open Foundations for Computer-Use Agents.
Xinyuan Wang*, Bowen Wang*, **Dunjie Lu***, Junlin Yang*, Tianbao Xie*, Junli Wang* ... Tao Yu
[Page] [arXiv]

[4] **(ICLR 2025 Spotlight)** 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] [arXiv]

[5] **(ICML 2025 Poster)** Aguvis: 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] [arXiv]

[6] **(Project)** OSWorld-Verified: Introducing OSWorld-Verified
A refined benchmark for evaluating computer-use agents with verified tasks and standardized evaluation.
[Page]