

Dongping Chen

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EDUCATION

Sep 2021 - Jun 2025 (Expected) Huazhong University of Science and Technology
Grade: 3.6/4, Rank: 8/60 **Degree:** Bachelor of Engineering **Major:** Big Data Science and Technology

Aug 2024 - Jan 2025 (Expected) University of Washington
Degree: Visiting Scholar **Major:** Artificial Intelligence

Publication

- **Dongping Chen***, Ruoxi Chen*, Shilin Zhang*, *et al.* **MLLM-as-a-Judge: Assessing Multimodal LLM-as-a-Judge with Vision-Language Benchmark**. ICML 2024 (**Oral**). [PDF] [Website]
- **Dongping Chen ***, Jiawen Shi *, Yao Wan, Pan Zhou, Neil Gong, Lichao Sun. **Self-Cognition in Large Language Models: An Exploratory Study**. LLM and Cognition Workshop @ ICML 2024 (Poster). [PDF]
- Qihui Zhang*, Chujie Gao*, **Dongping Chen***, Yue Huang, *et al.* **LLM-as-a-Coauthor: Can Mixed Human-Written and Machine-Generated Text Be Detected?** NAACL 2024 (Findings). [PDF] [Website]
- Huichi Zhou *, Zhaoyang Wang *, **Dongping Chen**, Wenhan Mu, Fangyuan Zhang, Hongtao Wang. *Evaluating the Validity of Word-level Adversarial Attacks with Large Language Models*. ACL 2024 (Findings). [PDF]

In Submission

- **Dongping Chen ***, Yue Huang *, Siyuan Wu *, Jingyu Tang *, ..., Yao Wan, Pan Zhou, Jianfeng Gao, Lichao Sun. **GUI-World: A Dataset for GUI-Orientated Multimodal Large Language Models**. arXiv preprint arXiv:2406.10819, 2024. [PDF] [Website]
- Chujie Gao *, Qihui Zhang *, **Dongping Chen ***, Yue Huang, Siyuan Wu, Zhengyan Fu, Yao Wan, Xiangliang Zhang, Lichao Sun. **The Best of Both Worlds: Toward an Honest and Helpful Large Language Model**. arXiv preprint arXiv:2406.00380, 2024. [PDF] [Website]
- Yue Huang * Jingyu Tang *, **Dongping Chen ***, Bingda Tang, Yao Wan, Lichao Sun, Xiangliang Zhang. **ObscurePrompt: Jailbreaking Large Language Models via Obscure Input** arXiv preprint arXiv:2406.13662, 2024. [PDF] [Website]
- Siyuan Wu *, Yue Huang *, Chujie Gao, **Dongping Chen**, Qihui Zhang, Yao Wan, Tianyi Zhou, Xiangliang Zhang, Jianfeng Gao, Chaowei Xiao, Lichao Sun. **UniGen: A Unified Framework for Textual Dataset Generation Using Large Language Models**. arXiv preprint arXiv:2406.18966, 2024. [PDF] [Website]
- Yi Gui *, Zhen Li *, Yao Wan, Yemin Shi, Hongyu Zhang, Bohua Chen, Yi Su, **Dongping Chen**, Siyuan Wu, Xing Zhou, Wenbin Jiang, Hai Jin. **Vision2UI: A Real-World Dataset for Code Generation from UI Designs with Layouts**. arXiv preprint arXiv:2404.06369, 2024. [PDF]
- **Dongping Chen**. **Aggregate, Decompose, and Fine-Tune: A Simple Yet Effective Factor-Tuning Method for Vision Transformer**. arXiv preprint arXiv:2311.06749, 2023. [PDF]

EXPERIENCE

Research Internship in University of Washington, Supervised by Prof. Ranjay Krishna

Full-time, Research Intern July 2024 – Present

- (**In progress**) Research on combining Multimodal Language Models (MLM) with diffusion models.
- (**In progress**) LLM as a benchmark engine for Multimodal Generative Models.

Research Internship in HUST, Supervised by Prof. Yao Wan and Prof. Pan Zhou

Part-time, Research Intern Oct 2023 – Present

- (**In progress**) Exploration and evaluation of interleaved text-and-image generation with novel evaluation framework.
- (**In progress**) Potential impacts of large language models on humans.
- (**In progress**) Vision2UI Agent, using LLM as the orchestrating model to complete webpage generation tasks.
- (**In progress**) Analysis of biases in using large language models as evaluators (LLM-as-a-Judge).
- Research on LLM-based GUI Agents. We propose a dataset **Gui-World** focusing on GUI-oriented capabilities in current MLLMs and **Vision2UI** focusing HTML code generation from a screenshot of webpage.
- Research on detection of Human-AI collaborated content and LLM's self-cognition.
- Engaged in in-depth research on multimodal models in knowledge representation, Trustworthy Large Language Models (LLMs), and jailbreak method **ObscurePrompt**.
- Developed the first comprehensive benchmark **MLLM-as-a-Judge** in multimodal domains, incorporating human annotations to evaluate the judgment capabilities of machine learning models in scoring evaluation, pair comparison, and batch ranking tasks.

SKILLS

Language: Mandarin (native), Cantonese (native), English (TOFEL 101).

Research Abilities: Proficient in coding and programming; Knowledge and experience in Multi-modal Perception, LLM-based Agents, and Trustworthy AI.