

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 - Dec 2024 (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, Top 1.44% of Submission). [PDF] [Website]
- Chujie Gao*, Yue Huang*, Siyuan Wu*, **Dongping Chen***, Qihui Zhang*, Zhengyan Fu, Yao Wan, Lichao Sun, Xiangliang Zhang[†]. **The Best of Both Worlds: Toward an Honest and Helpful Large Language Model**. **NeurIPS 2024**. [PDF] [Website]
- 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*, Hongtao Wang[†], **Dongping Chen**, Wenhan Mu, Fangyuan Zhang. *Evaluating the Validity of Word-level Adversarial Attacks with Large Language Models*. **ACL 2024** (Findings). [PDF]

Workshop

- **Dongping Chen***, Yue Huang*, Siyuan Wu, ..., Yao Wan[†], Pan Zhou[†], Jianfeng Gao, Lichao Sun. **GUI-World: A Dataset for GUI-Oriented Multimodal LLM-based Agents**. **Video-Language Models Workshop @ NeurIPS 2024**. [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**. [PDF]
- Mingmeng Geng, Caixi Chen, Yanru Wu, **Dongping Chen**, Yao Wan, Pan Zhou. *The Impact of Large Language Models in Academia: from Writing to Speaking*. **Solar Workshop @ Neurips 2024**. [PDF]
- Yue Huang*, Siyuan Wu*, 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**. **SFLLM Workshop @ NeurIPS 2024**. [PDF] [Website]
- Jiayi Ye*, Yanbo Wang*, Yue Huang*, **Dongping Chen**, Qihui Zhang, ..., Xiangliang Zhang[†] **Justice or Prejudice? Quantifying Biases in LLM-as-a-Judge**. **SafeGenAI Workshop @ NeurIPS 2024**. [PDF] [Website]

In Submission

- **Dongping Chen***, Ruoxi Chen*, Shu Pu*, Zhaoyi Liu*, Yanru Wu*, Caixi Chen*, Benlin Liu, Yue Huang, Yao Wan, Pan Zhou, Ranjay Krishna[†]. **Interleaved Scene Graph for Interleaved Text-and-Image Assessment**. arXiv preprint arXiv:2411.17188, 2024. [PDF] [Website]
- Yue Huang* Jingyu Tang*, **Dongping Chen**, ..., Xiangliang Zhang[†]. **ObscurePrompt: Jailbreaking Large Language Models via Obscure Input** arXiv preprint arXiv:2406.13662, 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, Working with Prof. Ranjay Krishna

Full-time, Research Intern Aug 2024 – Present

- **(In progress)** Research on distilling temporal feature into Self-Supervised Vision Encoder.
- Exploration and evaluation of interleaved text-and-image generation with **Interleaved Scene Graph**.

Research Internship in University of Notre Dame, Working with Prof. Xiangliang Zhang

Full-time, Research Intern Oct 2024 – Present

- **(In progress)** On the Trustworthiness of Generative Foundation Models: Guideline, Benchmark, and Perspective.
- **(In progress)** A review of many-to-many generative models: models, downstream tasks and evaluation.
- Quantifying biases in using LLMs as evaluators (LLM-as-a-Judge) systematically with **CALM**.
- Engaged in in-depth research on multimodal models in knowledge representation, Trustworthy Large Language Models (LLMs), and jailbreak method **ObscurePrompt**.

Research Internship in HUST, Working with Prof. Yao Wan and Prof. Pan Zhou

Part-time, Research Intern Oct 2023 – Present

- **(In progress)** Webpage-Agent & NL2Vis-Agent that use LLM as the orchestrating model to complete webpage generation and data visualization tasks.
- **(In progress)** Multimodal LLM-as-a-Judge for any-to-any generation assessment.

- Potential impacts of LLMs on **human writing** and **speaking** in fine-grained word level.
- 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 quantifying **LLM's self-cognition**.
- 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.

Research Interests:

- **Any-to-Any Understanding, Generation and Evaluation.** This includes MLLM-as-a-Judge (ICML'24), Interleaved Scene Graph, GUI-World.
- **LLM-based Agents.** This includes UniGen, Vision2UI, GUI-Agent and Vision2UI-Agent.
- **Trustworthy AI.** This includes HonestLLM (NeurIPS'24), MixText (NAACL'24), AVLLM (ACL'24), Self-Cognition (ICMLW'24), Bias in LLM-as-a-Judge.

Others

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

Reviewer: ICML 2024 Workshop * 3, NeurIPS 2024 Workshop * 4, ICLR 2025, ICASSP 2025