

Chuhan Wang

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EDUCATION

- **University of Notre Dame** 2026 - present
Ph.D. in Computer Science, Advised by Prof. Meng Jiang Notre Dame, IN, United States
- **UC San Diego** 2024 - 2026
M.S. in Computer Science La Jolla, CA, United States
 - GPA: 3.89/4.00
- **Beijing Jiaotong University** 2020 - 2024
B.Eng. in Electronic and Information Engineering (Graduated with Honors) Beijing, China
 - Grade: 3.84/4.00, 3.97/4.00 (WES)

RESEARCH INTEREST

- LLM Reasoning, Vision–Language Alignment, Efficient Generative Modeling

PUBLICATIONS

(* = EQUAL CONTRIBUTIONS.)

- [1] **SceneAlign: Aligning Multimodal Reasoning to Scene Graphs in Complex Visual Scenes**
Chuhan Wang*, Xintong Li*, Jennifer Yuntong Zhang, Junda Wu, Chengkai Huang, Lina Yao, Julian McAuley, Jingbo Shang
Annual Meeting of the Association for Computational Linguistics (ACL), 2026.
- [2] **Importance Sampling for Multi-Negative Multimodal Direct Preference Optimization**
Xintong Li*, **Chuhan Wang***, Junda Wu, Rohan Surana, Tong Yu, Julian McAuley, Jingbo Shang
International Conference on Learning Representations (ICLR), 2026.
- [3] **Fast Diffusion Decoders via Multi-Scale Sampling and One-Step Distillation**
Chuhan Wang, Hao Chen
Preprint. arXiv:2603.19570.
- [4] **MASS-DPO: Multi-negative Active Sample Selection for Direct Policy Optimization**
Rohan Surana, Junda Wu, Xintong Li, Sheldon Yu, Yiran Jenny Shen, **Chuhan Wang**, Tong Yu, Prithviraj Ammanabrolu, Jingbo Shang, Julian McAuley
Submission to NeurIPS 2026.
- [5] **Customized Training and Application of Monocular Depth Ranging for Assisted Driving**
Jingwen Li, **Chuhan Wang**, Pengwei Zhang, Ruipeng Gao, Dan Tao
IEEE International Conference on Consumer Electronics (ICCE)-TW, 2023.
- [6] **Generate, Filter, Control, Replay: A Comprehensive Survey of Rollout Strategies for LLM Reinforcement Learning**
Rohan Surana, Gagan Mundada, Xunyi Jiang, **Chuhan Wang**, Zhenwei Tang, Difan Jiao, Zihan Huang, Yuxin Xiong, Junda Wu, Sheldon Yu, Xintong Li, Raghav Jain, Nikki Lijing Kuang, Sizhe Zhou, Bowen Jin, Zhendong Chu, Tong Yu, Ryan A. Rossi, Kuan-Hao Huang, Jingbo Shang, Jiawei Han, Julian McAuley
Submission to TMLR.

SKILLS

- **Programming Languages:** Python, Go, C/C++, Java
- **Machine Learning:** Pytorch, vLLM, SGLang, AReal, NLP, Diffusion
- **Tools:** Linux, Git, Docker, Kubernetes, MS Azure, MATLAB

HONORS AND AWARDS

- **National Scholarship (Top 1%)** Dec. 2021
Awarded by: Ministry of Education of the People's Republic of China
- **Beijing Outstanding Graduate (Top 5%)** May 2024
Awarded by: Beijing Municipal Education Commission
- **National College Student Innovation and Entrepreneurship Training Program** Jun. 2023
Awarded by: Beijing Jiaotong University