

WENYI MO

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EDUCATION

Rutgers University

Ph.D. in Computer Science

New Brunswick, NJ

Sep. 2025 – Jun. 2030 (Expected)

- Advisor: Prof. Dimitris N. Metaxas

Renmin University of China

M.S. in Artificial Intelligence

GPA: 3.86 / 4.0

Beijing, China

Sep. 2022 – Jun. 2025

South China University of Technology

B.E. in Computer Science

GPA: 3.92 / 4.0; China National Scholarship (Top **1%**).

Canton, China

Sep. 2018 – Jun. 2022

RESEARCH INTERESTS

My research focuses on **generative models**. I am particularly interested in autoregressive and diffusion models, particularly in the context of text-to-image generation and preference alignment.

PUBLICATIONS

- [1] **Wenyi Mo**, Tianyu Zhang, Yalong Bai, Bing Su, Ji-Rong Wen, Qing Yang, “Dynamic Prompt Optimizing for Text-to-Image Generation,” *CVPR*, 2024. [paper] [code]
- [2] **Wenyi Mo**, Tianyu Zhang, Yalong Bai, Bing Su, Ji-Rong Wen, “Uniform Attention Maps: Boosting Image Fidelity in Reconstruction and Editing,” *WACV*, 2025. [paper] [code]
- [3] **Wenyi Mo**, Tianyu Zhang, Yalong Bai, Ligong Han, Ying Ba, Dimitris N. Metaxas. “PrefGen: Multimodal Preference Learning for Preference-Conditioned Image Generation,” *Under Review*. [paper][project]
- [4] **Wenyi Mo***, Ying Ba*, Tianyu Zhang*, Yalong Bai, Biye Li, “Learning User Preferences for Image Generation Model,” *Under Review*, 2025. (* equal contribution) [paper][code]
- [5] Jiangmeng Li, **Wenyi Mo**, Fei Song, Chuxiong Sun,, Wenwen Qiang, Bing Su, and Changwen Zheng, “Supporting Vision-Language Model Inference with Causality-pruning Knowledge Prompt,” *Neural Networks*, 2025. [paper] [code]
- [6] Ying Ba, Tianyu Zhang, Yalong Bai, **Wenyi Mo**, Tao Liang, Bing Su, Ji-Rong Wen, “Enhancing Reward Models for High-quality Image Generation: Beyond Text-Image Alignment,” *ICCV*, 2025. [paper][code]
- [7] Jiangmeng Li*, Wenwen Qiang*, Yanan Zhang, **Wenyi Mo**, Changwen Zheng, Bing Su, and Hui Xiong, “MetaMask: Revisiting Dimensional Confounder for Self-Supervised Learning,” *NeurIPS*, 2022. (* equal contribution) **Spotlight** [paper] [code]

RESEARCH EXPERIENCE

Research Intern	Mar. 2024 – Sep. 2025
<i>In2X, Research Team</i>	<i>Beijing, China</i>
<ul style="list-style-type: none">• Mentor: Dr. Tianyu Zhang and Dr. Yalong Bai• Preference-Conditioned Image Generation with Multimodal Large Language Models• Outcome: One WACV publication and two papers under submission.	
Research Intern	Jan. 2024 – Mar. 2024
<i>ByteDance, Seed</i>	<i>Shanghai, China</i>
<ul style="list-style-type: none">• Mentor: Dr. Yongfei Liu and Dr. Quanzeng You• Controllable Video Generation with Conditional Inputs (e.g., Bounding Boxes)	
Research Intern	Sep. 2023 – Jan. 2024
<i>Du Xiaoman Technology</i>	<i>Beijing, China</i>
<ul style="list-style-type: none">• Mentor: Dr. Tianyu Zhang and Dr. Yalong Bai• Text-to-Image Generation with Reinforcement Learning• Outcome: One CVPR publication.	

AWARDS AND HONORS

- ICCV 2025 Travel Support Award
- Top Reviewer at NeurIPS 2024
- China National Encouragement Scholarship
- China National Scholarship

PAPER REVIEWS

- **Conference Reviewer:** NeurIPS (2024, 2025), ICLR (2025, 2026), AISTATS (2025, 2026), CVPR (2025, 2026), WACV 2025, ICML 2025, ICCV 2025, AAAI 2026.
- **Journal Reviewer:** IEEE Transactions on Multimedia, International Journal of Image and Graphics, Scientific Reports.

TECHNICAL SKILLS

- Languages: Python, C / C++, LaTeX