

# WENYI MO

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## EDUCATION

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### Rutgers University

*Ph.D. in Computer Science*

- Advisor: Prof. Dimitris N. Metaxas

New Brunswick, NJ

*Sep. 2025 – Jun. 2030 (Expected)*

### 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

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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

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- [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*.
- [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

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### Research Intern

Mar. 2024 – Sep. 2025

*In2X, Research Team*

*Beijing, China*

- 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

*ByteDance, Seed*

*Shanghai, China*

- Mentor: Dr. Yongfei Liu and Dr. Quanzeng You
- Controllable Video Generation with Conditional Inputs (e.g., Bounding Boxes)

### Research Intern

Sep. 2023 – Jan. 2024

*Du Xiaoman Technology*

*Beijing, China*

- Mentor: Dr. Tianyu Zhang and Dr. Yalong Bai
- Text-to-Image Generation with Reinforcement Learning
- Outcome: One CVPR publication.

## AWARDS AND HONORS

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

## PAPER REVIEWS

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- **Conference Reviewer:** NeurIPS (2024, 2025), ICLR (2025, 2026), AISTATS (2025, 2026), CVPR (2025, 2026), WACV 2025, ICML 2025, ICCV 2025, AAAI 2026.

## TECHNICAL SKILLS

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