

JIE AN

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EDUCATION

University of Rochester, Rochester, USA

Aug 2020 - May 2025

- *Ph.D.* in Computer Science. Adviser: *Prof. Jiebo Luo*

Peking University, Beijing, China

Sep 2016 - Jun 2019

- *M.S.* in Applied Mathematics. Adviser: *Prof. Jinwen Ma*

Peking University, Beijing, China

Sep 2012 - Jun 2016

- *B.S.* in Applied Mathematics

WORK EXPERIENCE

Amazon AGI applied scientist

Jul 2025 - Present

- Video generation pre-training.

Meta AI research scientist

May 2025 - Jul 2025

- Research on 3D/4D generation and world model.

RESEARCH INTEREST

- Video/Multi-Modal Generation
- Interactive World Generation
- Generative Models

HIGHLIGHTED RESEARCH

- [NeurIPS 2025] *On Inductive Biases That Enable Generalization of Diffusion Transformers*
- **Jie An**, Andy (De) Wang, Pengsheng Guo, Jiebo Luo and Alexander G. Schwing ([diffusion model](#))
- [ICCV 2025] *Latent-Reframe: Enabling Camera Control for Video Diffusion Model without Training*
- Zhenghong Zhou*, **Jie An*** and Jiebo Luo ([text-to-video](#), [3D](#))
- [AAAI 2025] *Ouroboros-Diffusion: Exploring Consistent Content Generation in Tuning-free Long Video Diffusion*
- Jingyuan Chen, Fuchen Long, **Jie An**, Zhaofan Qiu, Ting Yao, Jiebo Luo and Tao Mei ([text-to-video](#))
- [Arxiv 2023] *Latent Diffusion with Temporal Shift for Efficient Text-to-Video Generation*
- **Jie An***, Songyang Zhang*, Sonal Gupta, Jia-Bin Huang, Jiebo Luo and Xi Yin ([text-to-video](#))
- [ICLR 2023] *Make-A-Video: Text-to-video Generation Without Text-video Data*
- Uriel Singer*, Adam Polyak*, Thomas Hayes*, Xi Yin*, **Jie An**, Songyang Zhang, Qiyuan Hu, Harry Yang, Oron Ashual, Oran Gafni, Devi Parikh, Sonal Gupta, Yaniv Taigman ([text-to-video](#))
- [IJCAI 2024] *Bring Metric Functions into Diffusion Models*
- **Jie An**, Zhengyuan Yang, Jianfeng Wang, Linjie Li, Zicheng Liu, Lijuan Wang and Jiebo Luo ([diffusion model](#))
- [MM (BNI) 2024] *OpenLEAF: A Novel Benchmark for Open-Domain Interleaved Image-Text Generation*
- **Jie An**, Zhengyuan Yang, Linjie Li, Jianfeng Wang, Kevin Lin, Zicheng Liu, Lijuan Wang, Jiebo Luo ([multi-modal generation/evaluation](#))

OTHER PAPERS

- [TCSVT 2025] *Video Understanding with Large Language Models: A Survey*
- Tang *et al.*
- [TMM 2024] *Learning to Evaluate the Artness of AI-generated Images*
- Junyu Chen, **Jie An**, Hanjia Lyu, Jiebo Luo

- [MIPR 2024] *Improving Visual-textual Sentiment Analysis by Fusing Expert Features*
Junyu Chen*, **Jie An***, Hanjia Lyu* and Jiebo Luo
- [TPAMI 2023] *Domain-Scalable Unpaired Image Translation via Latent Space Anchoring*
Siyu Huang*, **Jie An***, Donglai Wei, Zudi Lin, Jiebo Luo and Hanspeter Pfister
- [CVPR 2023] *QuantArt: Quantizing Image Style Transfer Towards High Visual Fidelity*
Siyu Huang*, **Jie An***, Donglai Wei, Jiebo Luo and Hanspeter Pfister
- [WACV 2023] *Is Bigger Always Better? An Empirical Study on Efficient Architectures for Style Transfer and Beyond*
Jie An, Tao Li, Haozhi Huang, Jinwen Ma and Jiebo Luo
- [MM (BNI) 2023] *Jurassic World Remake: Bringing Ancient Fossils Back to Life via Zero-Shot Long Image-to-Image Translation*
Alexander Martin, Haitian Zheng, **Jie An** and Jiebo Luo
- [WACV 2022] *Facial Attribute Transformers for Precise and Robust Makeup Transfer*
Zhaoyi Wan, Haoran Chen, **Jie An**, Wentao Jiang, Cong Yao, and Jiebo Luo
- [CVPR 2021] *ArtFlow: Unbiased Style Transfer with Reversible Neural Flows*
Jie An*, Siyu Huang*, Yibing Song, Dejing Dou, Wei Liu and Jiebo Luo
- [ICPR 2020] *Global Image Sentiment Transfer*
Jie An, Tianlang Chen, Songyang Zhang and Jiebo Luo
- [AAAI 2020 Oral] *Ultrafast photorealistic style transfer via neural architecture search*
Jie An*, Haoyi Xiong*, Jun Huan and Jiebo Luo
- [BMVC 2018] *Pyramid attention network for semantic segmentation*
Hanchao Li, Pengfei Xiong, **Jie An**, and Lingxue Wang

INTERNSHIP

Apple <i>research intern</i>	<i>May 2024 - Apr 2025</i>
• Research on generalization of diffusion transformer (DiT).	
Microsoft Cloud & AI <i>research intern</i>	<i>Feb 2023 - May 2024</i>
• Research on diffusion model and visual-language generation.	
Meta FAIR <i>research intern</i>	<i>May 2022 - Dec 2022</i>
• Research on text-to-video generation.	
Tencent AI Lab <i>research intern</i>	<i>Sep 2020 - Jul 2021</i>
• Research on image style transfer based on Flow models.	
StylingAI Inc. <i>research engineer</i>	<i>Apr 2020 - Sep 2020</i>
• Work on deep fake generation for images, videos, and live streams.	
Tencent AI Lab <i>research intern</i>	<i>Jul 2019 - Mar 2020</i>
• Work on Chinese calligraphy generation/translation. • Research on real-time neural style transfer.	
Baidu Big Data Lab <i>research intern</i>	<i>Jan 2019 - Jul 2019</i>
• Research on style transfer and neural architecture search.	
Megvii Inc. (Face++) <i>research intern</i>	<i>Oct 2017 - Jun 2018</i>
• Research on portrait segmentation, portrait matting and semantic segmentation.	

HONORS & AWARDS

- Outstanding Graduate, *Beijing* *Jun 2019*
- Second Prize, *Challenge cup academic competition, Peking University* *Sep 2018*
- Third Prize, *IBM PowerAI programming marathon competition* *Dec 2017*
- Second Prize, *"Jiang Ze Han" cup mathematical modeling competition, Peking University* *Jun 2015*
- Graduate student scholarship, *Peking University* *Oct 2018*

- Graduate student scholarship, *Peking University*
- “Guang Hua” scholarship, *Peking University*

Oct 2016

Jun 2015