Xin Yan

🌐 cakeyan.github.io | ⚫ Cakeyan | 🐦 cakeyan9 | Ｇ Xin Yan | ✉ cakeyanxin@gmail.com

Employments

ByteDance Seed	Jul 2025 – Now
Research Scientist at Image Generation Team	Beijing, China

Education

Wuhan University	Sep 2020 – Jun 2024
BEng in Computer Science and Technology	Wuhan, China

- GPA 3.95/4.00 (92.6/100). All my math courses achieved A+ (95+) grades.

Research Interests

My research interests focus on **improving the reasoning abilities of multimodal generative models**. My long-term objective is to allow these models to reason and generate new knowledge from their observations and interactions with users. Currently, I am working on native multimodal models and image generation.

Publications

* Equal Contribution

[7] ByteDance Seed Seedream Team. Seedream 4.0: Toward Next-generation Multimodal Image Generation. ***Technical Report***

[6] Wei Chen, **Xin Yan**, Bin Wen, Fan Yang, Tingting Gao, Di Zhang, Long Chen. Decoupling Contrastive Decoding: Robust Hallucination Mitigation in Multimodal Large Language Models. ***NeurIPS 2025***

[5] Jiaben Chen, **Xin Yan**, Yihang Chen, Siyuan Cen, Qinwei Ma, Haoyu Zhen, Kaizhi Qian, Lie Lu, Chuang Gan. Everybody Rap Now: Coherent Vocals and Whole-body Motions Generations from Text. ***ICCV 2025***

[4] **Xin Yan**, Yuxuan Cai, Qiuyue Wang, Yuan Zhou, Wenhao Huang, Huan Yang. Long Video Diffusion Generation with Segmented Cross-Attention and Content-Rich Video Data Curation. ***CVPR 2025*** 🐦

[3] Zhicheng Zheng*, **Xin Yan***, Zhenfang Chen*, Jingzhou Wang, Qin Zhi Eddie Lim, Joshua B. Tenenbaum, Chuang Gan. ContPhy: Continuum Physical Concept Learning and Reasoning from Videos. ***ICML 2024***

[2] Haoyu Zhen, Xiaowen Qiu, Peihao Chen, Jincheng Yang, **Xin Yan**, Yilun Du, Yining Hong, Chuang Gan. 3D-VLA: A 3D Vision-Language-Action Generative World Model. ***ICML 2024*** 🐦

[1] **Xin Yan**, Zuchao Li, Lefei Zhang, Bo Du, Dacheng Tao. Centroid-centered Modeling for Efficient Vision Transformer Pre-training. ***PRCV 2024***

Research Experience

ByteDance Seed (Doubao)	Mar 2025 – Jul 2025
Research Intern in Image Generation (Dr. Wei Liu)	
University of Waterloo	Aug 2024 – Jul 2025
Research Assistant in Language Model Reasoning (Prof. Yuntian Deng)	
01.AI	Jul 2024 – Feb 2025
Research Intern in LLM (Yuxuan Cai) and GenAI (Dr. Huan Yang)	
MIT-IBM Watson AI Lab	Mar 2023 – Jul 2024
Research Intern in Multimodal (Dr. Zhenfang Chen, Prof. Chuang Gan)	
Wuhan University	Mar 2022 – Mar 2023
Research Assistant in NLP (Prof. Zuchao Li) and CV (Prof. Lefei Zhang)	

Awards

- Vector Scholarship in Artificial Intelligence 2024-2025 ($17,500 CAD) 🐦 — Vector Institute, Canada
- Outstanding Undergraduate Graduating Student 2024 — Wuhan University, China
- Lei Jun Scholarship 2023 — Xiaomi Inc., China
- AEON Scholarship 2022 — Aeon Co., Ltd., Japan
- National Scholarship 2021 (Top 0.2% national-wide) — Ministry of Education, China
- First&Second Class of Wuhan University Scholarship 2021, 2022, 2023 — Wuhan University, China

Services

- 2024: Reviewer of ACL ARR, EMNLP, IEEE T-MM
- 2025: Reviewer of ICLR, AAAI, NAACL, ACL ARR, IEEE T-MM, NeurIPS, CVPR

Open Source Projects

- Allegro ⚫ — 1.1k+ Github Stars
- 3D-VLA ⚫ — 500+ Github Stars
- Presto ⚫ — 20+ Github Stars

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