

Jian Zhang

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RESEARCH INTERESTS

- **3D-Consistent Content Generation:**
Multi-View Consistent Video Generation, 3D Scene Generation
- **3D Spatial Understanding & Embodied AI:**
3D Vision-Language Models, Sparse-view 3D Reconstruction, Embodied Agents

EDUCATION

Xiamen University	Sep. 2023 - Jun. 2026
M.S., Information & Communication Engineering	Advisor: Prof. Yue Huang
Nanchang University	Sep. 2019 - Jun. 2023
B.S., Artificial Intelligence	

SELECTED PUBLICATIONS&MANUSCRIPTS

* denotes an equal contribution.

A. 3D Vision-Language Models:

NeurIPS 2024: [J. Zhang](#)*, [Z. Fan](#)*, [W. Cong](#), [P. Wang](#), [R. Li](#), [K. Wen](#), [S. Zhou](#), [Achuta Kadambi](#), [Z. Wang](#), [D. Xu](#), [Boris Ivanovic](#), [Marco Pavone](#), [Y. Wang](#), "Large Spatial Model: End-to-end Unposed Images to Semantic 3D".

[\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

ArXiv Preprint: [J. Zhang](#)*, [Z. Fan](#)*, [R. Li](#), [J. Zhang](#), [R. Chen](#), [H. Hu](#), [K. Wang](#), [H. Qu](#), [D. Wang](#), [Z. Yan](#), [H. Xu](#), [J. Theiss](#), [T. Chen](#), [J. Li](#), [Z. Tu](#), [Z. Wang](#), [R. Ranjan](#), "VLM-3R: Vision-Language Models Augmented with Instruction-Aligned 3D Reconstruction".

[\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

NeurIPS 2025: [K. Wen](#)*, [Y. Huang](#)*, [R. Chen](#), et al., [J. Zhang](#), et al., [Z. Fan](#), "DynamicVerse: Physically-Aware Multimodal Modeling for Dynamic 4D Worlds".

[\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

B. Sparse-view 3D Reconstruction:

ArXiv Preprint: [Z. Fan](#)*, [K. Wen](#)*, [W. Cong](#)*, [K. Wang](#), [J. Zhang](#), [X. Ding](#), [D. Xu](#), [Boris Ivanovic](#), [Marco Pavone](#), [Z. Wang](#), [Y. Wang](#), "InstantSplat: Sparse-view Gaussian Splatting in Seconds".

[\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

SELECTED EXPERIENCE

Baidu Inc.	Aug. 2025 - Present
Research Intern on Video Generation Research	Vision Technology Department
Texas A&M University	May. 2025 - Aug. 2025
Research Assistant on 3D Vision and Embodied Intelligence	Advisor: Prof. Zhiwen Fan
VITA Group, University of Texas at Austin	Jan. 2024 - May. 2025
Research Assistant on 3D Spatial Reconstruction, and Understanding	Advisor: Prof. Atlas Wang

SELECTED HONORS

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|--|------|
| • Special Scholarship (Top 5%) | 2023 |
| • Outstanding Graduate of Nanchang University (Top 5%) | 2023 |
| • First Prize in China Robot Competition (Top 3) | 2021 |