Jian Zhang

◉ **Website** Ⓖ **Scholar** ⦿ **GitHub**
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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

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

- Special Scholarship (Top 5%)   2023

- Outstanding Graduate of Nanchang University (Top 5%)   2023

- First Prize in China Robot Competition (Top 3)   2021