

# Xiangyue Zhang (章湘粤)

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I am a third year **M.S. student** under the supervision of Prof. Zhigang Tu at **Wuhan University**.  
Currently, I am a research intern at **ByteDance**, focusing on **Human-centric 2D&3D AIGC and World Model**.  
My research interest lies in computer vision and graphics, with a current focus on **2D/3D Generation, Embodied AI, and World Model. Expected graduation in June 2026.**  
Language: TOEFL: 96 (R24, L26, S22, W24)

## EDUCATION

### Wuhan University

*M.S. Student. Computer Application*

- **National Scholarship 2025. ¥20,000. Top 3%.**

Wuhan, Hubei  
Sep. 2023– Now

### Central South University

*Bachelor of Geomatics*

- GPA: 89.95/100, Minor: Data Science and Big Data Technology

Changsha, Hunan  
Sep. 2019– Jun. 2023

## SELECTED PUBLICATIONS

**StreamTalk: Key-Pose-Guided Diffusion for Real-Time Long-Term Co-Speech Gesture Generation**  
**Xiangyue Zhang\***, Jianfang Li\*, Jiaxu Zhang, et. al.  
(*under review*)

**SemTalk: Holistic Co-speech Motion Generation with Frame-level Semantic Emphasis**  
**Xiangyue Zhang\***, Jianfang Li\*, Jiaxu Zhang, et. al.  
International Conference on Computer Vision (*ICCV, 2025*)

**GlobalDiff: Mitigating Error Accumulation in Co-Speech Motion Generation via Global Rotation Diffusion and Multi-Level Constraints**  
**Xiangyue Zhang\***, Jianfang Li\*, Jiaxu Zhang, Jianqiang Ren.  
The 40th Annual AAAI Conference on Artificial Intelligence (*AAAI 2026*)

**EchoMask: Speech-Queried Attention-based Mask Modeling for Holistic Co-Speech Motion Generation**  
**Xiangyue Zhang\***, Jianfang Li\*, Jiaxu Zhang, et. al.  
The 33rd ACM International Conference on Multimedia (*ACM MM 2025*)

**Robust 2D Skeleton Action Recognition via Decoupling and Distilling 3D Latent Features**  
**Xiangyue Zhang\***, Yifan Jia\*, Jiaxu Zhang, Yijie Yang, Zhigang Tu.  
*IEEE Transactions on Circuits and Systems for Video Technology, 2025 (T-CSVT, IF: 11.1)*

3D Animation  
3D Motion Synthesis

3D Motion  
Recognition

## EXPERIENCE

### Research Intern, ByteDance

- Advised by: Youjiang Xu
- During the internship, I participated in the research of large motion generation models and world models. At the same time, the development of a real-time 3D digital human motion generation system.

Dec. 2025 – Now

### Research Intern, Tongyi Lab, Alibaba Group

- Advised by: Dr. Liefeng Bo, Prof. Steven Hoi and Dr. Jianfang Li
- During the internship, I participated in the code optimization and research of co-speech 3D motion generation. At the same time, investigated 2D work such as echomimic, hallo, liveportait, etc.  
Research Interest: Co-speech Motion Generation; 3D & 2D Motion Generation;

Jun. 2024 – Nov. 2025