

Deli Cai

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INTRODUCTION

I am a Ph.D. candidate at the **South China University of Technology**, advised by Prof. Changxing Ding.

During my doctoral studies, I have been serving as a visiting student at **The University of Hong Kong (HKU)** since January 2026, advised by Prof. Taku Komura and working with Zhiyang (Frank) Dou.

Previously, I earned my M.S. in Electronics and Communications Engineering from the **South China University of Technology**, where I worked with Prof. Yongjian Hu in 2021 (researched on action recognition), and my B.S. in Electronic and Information Engineering from the same institution in 2018.

- **Research Interests:** Human Motion Generation, Robotics, Multimodal Learning.

EDUCATION

The University of Hong Kong	Jan. 2026 - Present
<i>Vising Student</i> <i>Advisor: Prof. Taku Komura</i>	
South China University of Technology	Sep. 2023 - Present
<i>Ph.D in Information and Communication Engineering</i> <i>Advisor: Prof. Changxing Ding</i>	
South China University of Technology	Sep. 2018 - Jun. 2021
<i>M.S. in Electronics and Communications Engineering</i> <i>Advisor: Prof. Yongjian Hu</i>	
South China University of Technology	Sep. 2014 - Jun. 2018
<i>B.S. in Electronic and Information Engineering</i>	

ACADEMIC PUBLICATIONS

†Corresponding Author

- **Deli Cai**, Haoyang Ma, Changxing Ding. “Coordinating Multiple Conditions for Trajectory-Controlled Human Motion Generation”. **IEEE Transactions on Multimedia (TMM 2026)**.
- Wenhao Yuan, Yiyuan Ge, **Deli Cai**†. “StereoGS: Sparse-View 3D Gaussian Splatting via Stereo Prior”. **ECCV 2026**.
- **Deli Cai**, Changxing Ding, Shaoli Huang, Xiangmin Xu. “Learning Generation-Oriented Text Representations for Human Motion Generation”. **NIPS2026 under review**.
- Human Motion Generation Conditioned on Dynamic Spatial Audio. Co-work with Prof. Taku Komura and Zhiyang (Frank) Dou. **To be submitted to ICLR 2027**
- Scene-Aware Motion Generation with Spatial Audio Integration. Co-work with Prof. Taku Komura and Zhiyang (Frank) Dou. **To be submitted to CVPR 2027**

WORK EXPERIENCE

- **Algorithm Engineer** Orbbec Inc. — Shenzhen, China
Jul. 2021 – Aug. 2022
- **3D Vision Algorithm Engineer** DexForce Technology Co., Ltd. — Shenzhen, China
Sep. 2022 – Aug. 2023