

Zhe Zhu

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Summary

I am a Ph.D. student at Nanjing University of Aeronautics and Astronautics supervised by **Prof. Mingqiang Wei**. Before that, I completed my B.Eng. degree at China University of Mining and Technology. My research interests are 3D Vision, Computer Graphics, and AIGC.

Education

Nanjing University of Aeronautics and Astronautics, Ph.D in Computer Science	04/2023 – Present
Nanjing University of Aeronautics and Astronautics, M.Sc. in Computer Science	09/2021 – 04/2023
China University of Mining and Technology, B.Sc. in Computer Science	09/2017 – 06/2021

Experience

Tencent IEG, Research Intern	04/2025 – Present
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Publications

Zhe Zhu, Le Wan, Rui Xu, Yiheng Zhang, Honghua Chen, Zhiyang Dou, Cheng Lin, Yuan Liu, Mingqiang Wei. PartSAM: A Scalable Promptable Part Segmentation Model Trained on Native 3D Data. International Conference on Learning Representations (**ICLR**), 2026.

Zhe Zhu, Honghua Chen, Peng Li, Mingqiang Wei. CoreEditor: Consistent 3D Editing via Correspondence-constrained Diffusion. IEEE Transactions on Visualization and Computer Graphics (**TVCG**), 2026, 32(3):2838-2851.

Zhe Zhu, Honghua Chen, Xing He, Mingqiang Wei. PointSea: Point Cloud Completion via Self-structure Augmentation. International Journal of Computer Vision (**IJCV**), 2025, 133(7): 4770-4794.

Zhe Zhu, Honghua Chen, Xing He, Weiming Wang, Jing Qin, Mingqiang Wei. SVDFormer: Complementing Point Cloud via Self-view Augmentation and Self-structure Dual-generator. IEEE/CVF International Conference on Computer Vision (**ICCV**), 2023, 14462-14472.

Zhe Zhu, Liangliang Nan, Haoran Xie, Honghua Chen, Jun Wang, Mingqiang Wei, Jing Qin. CSDN: Cross-Modal Shape-Transfer Dual-Refinement Network for Point Cloud Completion. IEEE Transactions on Visualization and Computer Graphics (**TVCG**), 2024, 30(7):3545-3563.

An Li*, **Zhe Zhu*** (Equal Contribution), Mingqiang Wei. GenPC: Zero-shot Point Cloud Completion via 3D Generative Priors. IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2025.

Xing He, **Zhe Zhu**, Liangliang Nan, Honghua Chen, Jing Qin, Mingqiang Wei. PointSFDA: Source-free Domain Adaptation for Point Cloud Completion. IEEE International Conference on Robotics & Automation (**ICRA**), 2026.

An Zhao, Piaopiao Yu, **Zhe Zhu**, Mingqiang Wei. BSGS: Bi-stage 3D Gaussian Splatting for Camera Motion Deblurring. ACM International Conference on Multimedia (**MM**), 2025, 8351-8359.

Dequan Kong, Honghua Chen, **Zhe Zhu**, Mingqiang Wei. BridgeShape: Latent Diffusion Schrödinger Bridge for 3D Shape Completion. Annual AAAI Conference on Artificial Intelligence (**AAAI**), 2026.

Zhikun Wen, Honghua Chen, **Zhe Zhu**, Zeyong Wei, Liangliang Nan, Mingqiang Wei. CosCAD: Cross-Modal CAD Model Retrieval and Pose Alignment from a Single Image. International Conference on Computational Visual Media (**CVM**), 2025, 367-387.

Mingqiang Wei, Zeyong Wei, Haoran Zhou, Fei Hu, Huajian Si, Zhilei Chen, **Zhe Zhu**, Jingbo Qiu, Xuefeng Yan, Yanwen Guo, Jun Wang, Jing Qin. AGConv: Adaptive graph convolution on 3D point clouds. IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**), 2023, 45(8):9374-9392.

Fei Hu, Honghua Chen, Xuequan Lu, **Zhe Zhu**, Jun Wang, Weiming Wang, Fu Lee Wang, Mingqiang Wei. SPCNet: Stepwise Point Cloud Completion Network. Computer Graphic Forum (**CGF**), 2023, 153-164.

Awards

Best Paper Nomination, CCF CAD/CG 2025
Suzhou Industrial Park Scholarship, 2024

Academic Services

Program Committee: PG
Journal Reviewer: TPAMI, IJCV, TVCG, TIP, TMM, Neural Networks, Neurocomputing, EAAI
Conference Reviewer: CVPR, ICCV, ICLR, NeurIPS, MM