Mungyeom Kim

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Research Interests

3D and 4D Reconstruction, 3D Computer Vision, Neural Scene Representations, Dynamic Scene Understanding, Multi-view Geometry.

Education

Korea Advanced Institute of Science and Technology (KAIST) 2025.09 - Present
Integrated M.S./Ph.D. Program
Kim Jaechul Graduate School of Artificial Intelligence

Seoul National University 2022.03 - 2025.08
Bachelor's degree in Computer Science and Engineering
Major GPA: 3.69/4.3, Overall GPA: 3.59/4.3

Research Experience

KAIST CVLAB 2025.09 - Present
Integrated M.S./Ph.D. Student
Advisor: Prof. Seungryong Kim

SNU VGI LAB 2024.07 - 2025.08
Research internship as an undergraduate student.
Advisor: Prof. Jaesik Park

Publications

C: Conference, P: Preprint, *: Equal contribution (co-first authors).

Peer-Reviewed Conference Publications

[C4] Imagine3D-LLM: Teaching MLLMs to Imagine 3D Scenes Before Answering Paper | Project | Code
Jaewoo Jung, Hyeonseo Yu, Honggyu An, Jisang Han, **Mungyeom Kim**, Minkyeong Jeon, Heeseong Shin, Wonjun Moon, Federico Tombari, Daniel Barath, Marc Pollefeys, Seungryong Kim, and Sunghwan Hong.
*Neural Information Processing Systems (**NeurIPS**)*, 2026.

[C3] Learning Compact 3D Representations from Feed-Forward Novel View Synthesis Paper | Project | Code
Honggyu An*, Jaewoo Jung*, **Mungyeom Kim**, Chaehyun Kim, Minkyeong Jeon, Jisang Han, Kazumi Fukuda, Takuya Narihira, Hyunah Ko, Junsu Kim, Sunghwan Hong, Yuki Mitsufuji, and Seungryong Kim.
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2026.

[C2] MV-TAP: Tracking Any Point in Multi-View Videos Paper | Project | Code
Jahyeok Koo*, Inès Hyeonsu Kim*, **Mungyeom Kim**, Junghyun Park, Seohyeon Park, Jaeyeong Kim, Jung Yi, Seokju Cho, and Seungryong Kim.
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2026.

[C1] OpenBox: Annotate Any Bounding Boxes in 3D Paper | Project | Code

In-Jae Lee, **Mungyeom Kim**, Kwonyoung Ryu, Pierre Musacchio, and Jaesik Park.

*Neural Information Processing Systems (**NeurIPS**)*, 2025.
Spotlight (**3.19%** acceptance rate).

Preprints

[P1] Learning Temporally Aware Compact Gaussians for Feed-Forward 4D Reconstruction Paper | Project | Code

Mungyeom Kim[*], Minkyeong Jeon[*], Honggyu An[*], Jaewoo Jung, Hyunah Ko, Jisang Han, Hyeonseo Yu, Donghwan Shin, Sunghwan Hong, Takuya Narihira, Kazumi Fukuda, Yuki Mitsufuji, and Seungryong Kim.

Preprint, arXiv:2605.31595, 2026.