

Seungjoo Shin

CONTACT INFORMATION

POSTECH
Computer Graphics Lab.
77 Cheongam-ro,
Pohang-si, Republic of Korea

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EDUCATION

POSTECH Sep. 2023 - Present
Ph.D. in Artificial Intelligence
supervised by Prof. Sunghyun Cho
Pohang-si,
Republic of Korea

POSTECH Sep. 2021 - Aug. 2023
M.S. in Artificial Intelligence
supervised by Prof. Jaesik Park
Pohang-si,
Republic of Korea

POSTECH Feb. 2018 - Aug. 2021
B.S. in Convergence IT Engineering
Pohang-si,
Republic of Korea

EXPERIENCE

Kakao Brain | Research Intern Summer 2022
Neural Rendering TF Seongnam-si,
NeRF-Factory: An awesome PyTorch NeRF collection Republic of Korea

PUBLICATIONS

Leveraging Learned Image Prior for 3D Gaussian Compression
Seungjoo Shin, Jaesik Park, Sunghyun Cho
Workshop on Efficient Computing under Limited Resources (ECLR) at ICCV, 2025

Locality-aware Gaussian Compression for Fast and High-quality Rendering
Seungjoo Shin, Jaesik Park, Sunghyun Cho
International Conference on Learning Representations (ICLR), 2025

Binary Radiance Fields
Seungjoo Shin, Jaesik Park
Conference on Neural Information Processing Systems (NeurIPS), 2023

Deep 3D Reconstruction of Synchrotron X-ray Computed Tomography for Intact Lungs
Seungjoo Shin*, Min Woo Kim*, Kyong Hwan Jin, Kwang Moo Yi, Yoshiki Kohmura, Tetsuya Ishikawa, Jung Ho Je, Jaesik Park (*Equal contribution)
Nature Research (Scientific Reports), 2023

PeRFception: Perception using Radiance Fields
Yoonwoo Jeong*, **Seungjoo Shin***, Junha Lee*, Christopher Choy, Animashree Anandkumar, Minsu Cho, Jaesik Park (*Equal contribution)
Conference on Neural Information Processing Systems (NeurIPS) Datasets and Benchmarks Track, 2022

ACADEMIC SERVICE

Reviewer for International Conference
CVPR (2023, 2024, 2025, 2026), ECCV (2022, 2024), NeurIPS (2024, 2025), ICLR (2025, 2026), ICML (2025, 2026), WACV (2025)

Reviewer for International Journal
TPAMI, Computers & Graphics

AWARDS

BK21 Outstanding Paper Award | Excellence Prize
Graduate School of Artificial Intelligence, POSTECH
“Binary Radiance Fields” Feb. 2024

30th Humantech Paper Award | Silver Prize
Samsung Electronics Co. Ltd.
“Binary Radiance Fields” Feb. 2024

29th Humantech Paper Award | 4th Prize
Samsung Electronics Co. Ltd.
“PeRFception: Perception using Radiance Fields” Feb. 2023

BK21 Outstanding Paper Award | Grand Prize
Graduate School of Artificial Intelligence, POSTECH
“PeRFception: Perception using Radiance Fields” Feb. 2023