

Suh Yoon Jeon

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EDUCATION

Seoul National University

Integrated M.S. and Ph.D. in Electrical and Computer Engineering
Advisor: [Se Young Chun](#)

Seoul, S.Korea
Sep 2023 – present

Seoul National University

B.S. in Electrical and Computer Engineering

Seoul, S.Korea
Mar 2018 – Aug 2023

Technical University of Munich

Exchange student in Informatics

Munich, Germany
Mar 2022 – Aug 2022

RESEARCH INTERESTS

My research interests focus on multimodal generative AI for visual and 3D/4D representations, extending toward human-centric understanding and synthesis.

PUBLICATIONS

FreeID: Calibrating Attention for Identity Preservation in Image-conditioned T2I Models

Under review, 2026

HyPath: Hierarchy-Aware Hyperbolic Fine-Tuning for Gigapixel Slide Representations

Under review, 2026

Human Interaction-Aware 3D Reconstruction from a Single Image

G. Kim*, J.J. Kim*, **SY. Jeon***, J. Park, SY. Chun (*co-first authors)

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2026 (**Highlight**)

PersonaCraft: Personalized and Controllable Full-Body Multi-Human Scene Generation Using Occlusion-Aware 3D-Conditioned Diffusion

G. Kim*, **SY. Jeon***, S. Lee, SY. Chun (*co-first authors)

International Conference on Computer Vision (ICCV), 2025

Gradient-free decoder inversion in latent diffusion models

S. Hong, **SY. Jeon**, K. Lee, E. K. Ryu, SY. Chun

Conference on Neural Information Processing Systems (NeurIPS), 2025

On exact inversion of dpm-solvers

S. Hong, K. Lee, **SY. Jeon**, H. Bae, SY. Chun

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024

TECHNICAL REPORTS

3rd Place in UNICORN Challenge Pathology Track

Unified beNchmark for Imaging in Computational Pathology, Radiology, and Natural Language
MICCAI Grand Challenge, 2025

Object-Interactive Human Motion Generation via Affordance Reasoning

H. Bae*, **SY. Jeon***, SY. Chun

Conference on Electronics, Semiconductor and AI, 2025 (Best Paper Award)

SpecArtDiff: ControlNet-Guided Fusion of Panoramic Visuals and Auditory Spectrograms

SY. Jeon*, H. Bae*, SY. Chun

Conference on Electronics, Semiconductor and AI, 2025

EXPERIENCE

Continental Korea, Intern

Automotive Grade Linux: Program developments for automotives on raspberry pi

Seongnam, S.Korea
Jul 2021 – Aug 2021

Seoul National University, Intern

Department of System Semiconductor Engineering for AI
Real-time online exam supervising program development

Seoul, S.Korea
Jan 2021 – Feb 2021