

YOUNGJUN JUN (전영준)

PERSONAL INFORMATION

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BIOGRAPHY

I'm a first-year PhD student at the [BISPL](#) group at [KAIST AI](#), advised by Prof. [Jong Chul Ye](#). I'm interested in generative models and their potential. I love exploring how generative models understand data and to what extent, with the goal of advancing the generative models themselves. In particular, I value mathematical theory and rigorous logical flow.

I received my M.S. degree in [Artificial Intelligence](#) from the [MICV](#) group at Yonsei University in Feb 2026, advised by Prof. [Seong Jae Hwang](#). During my M.S. program, I also worked temporarily at [NewcureM](#) as an AI researcher, guided by Dr. [Mijin Yun](#) (CEO & Professor of Medicine). Before that, I received my B.S. degree from the Department of [Mathematics](#), Yonsei University in Aug 2023.

I have conducted research on diffusion models and their applications in video generation (CVPR 2026; ICML 2026), image generation (ICCV 2025; AAAIW 2026; ICLR 2026; MICCAI 2024), representation learning (WACV 2025), and medical imaging (MICCAI 2024, 2025).

EDUCATION

M.S. in Artificial Intelligence, Yonsei University CGPA : 4.2/4.3	Mar 2024 - Feb 2026
B.S. in Mathematics, Yonsei University CGPA : 3.9/4.3	Mar 2018 - Aug 2023

RESEARCH EXPERIENCE

BioImaging, Signal Processing, & machine Learning lab. (BISPL) , KAIST AI PhD Student Researcher	Aug 2026 - Current Mar 2026 - Aug 2026
Medical Imaging & Computer Vision Lab (MICV) , Yonsei University MS Student Research Intern	Mar 2024 - Feb 2026 Sep 2023 - Feb 2024
NewcureM , located in Severance Hospital Researcher, AI team	Oct 2024 - Feb 2025
Wavelets and Approximation Group , Yonsei University Undergraduate Research Intern	Dec 2021 - Feb 2022

CONFERENCE PUBLICATIONS

Interpretable Motion-Attentive Maps : Spatio-Temporally Localizing Concepts in Video Diffusion Transformers [PDF]
CVPR 2026 [Highlight](#), AR $\leq 3.5\%$
[KCC 2026 Workshop on XAI Best Paper Award \(1st\)](#) (domestic)
[Youngjun Jun](#), Seil Kang, Woojung Han, Seong Jae Hwang

Disentangling Disentangled Representations : Towards Improved Latent Units via Diffusion Models [WACV 2025] [PDF]
[Youngjun Jun](#), Jiwoo Park, Kyobin Choo, Tae Eun Choi, Seong Jae Hwang

Physics in 2-Steps : Locking Motion Priors Before Visual Refinement Erases Them [ICML 2026] [PDF] [Collaboration with [NVIDIA](#)]
Woojung Han, Seil Kang, [Youngjun Jun](#), [Min-Hung Chen](#), [Fu-En Yang](#), Seong Jae Hwang

WAVE: Warp-Based View Guidance for Consistent Novel View Synthesis Using a Single Image [ICCV 2025] [PDF]
Jiwoo Park, Tae Eun Choi, [Youngjun Jun](#), Seong Jae Hwang

PRETI: Patient-Aware Retinal Foundation Model via Metadata-Guided Representation Learning [MICCAI 2025] (Early Accept, AR $\leq 9\%$) [PDF]

Yeonkyung Lee, Woojung Han, Youngjun Jun, Hyeonmin Kim, Jungkyung Cho, Seong Jae Hwang

Slice-Consistent 3D Volumetric Brain CT-to-MRI Translation with 2D Brownian Bridge Diffusion Model [MICCAI 2024] (Early Accept, AR $\leq 11\%$) [PDF]

Kyobin Choo, Youngjun Jun, Mijin Yun, Seong Jae Hwang

PRGNN: Pyramid Region Graph Neural Network for region-based brain PET classification [MICCAI 2025] [PDF]

Daesung Kim, Seungbeom Seo, Boosung Kim, Kyobin Choo, Youngjun Jun, Mijin Yun

Backbone Augmented Training for Adaptations [AAAIW 2026] (Oral) [PDF]

Jae Wan Park, Junhyeok Kim, Youngjun Jun, Hyunah Ko, Seong Jae Hwang

Inference-Time CLIP Embedding Manipulation for Compositional Text-to-Image Alignment [ICLRW 2026] [PDF]

Sujung Hong*, Tae Eun Choi*, Youngjun Jun, Chanyong Yoon, Seong Jae Hwang

SERVICES

Reviewer

CVPR (2026), NeurIPS (2025-2026), ECCV (2026)

Teaching

Fall 2024, TA in **Intro to Computer Vision**, instructed by Prof. Seong Jae Hwnag

Spring 2025, TA in **Deep Learning and Applications**, instructed by Prof. Seong Jae Hwnag

SKILLS

Programming

Python, Deep Learning Frameworks (Pytorch, JAX), Python Libraries (Diffusers, Hugging Face, etc), Medical Python Libraries (NiBabel, Pydicom), Shell Script, Git, $\text{\LaTeX}$

Language

English (Intermediate)

Korean (Native)