

YOUNGJUN JUN (전영준)

PERSONAL INFORMATION

Youngjun Jun
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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 love generative models and their principles. I enjoy exploring what they learn from data, how they understand it, and where that understanding breaks down, with the goal of advancing generative models themselves. Currently, I am exploring action-generative AI, including **Vision-Language-Action models** and **World-Action Models**.

I earned my M.S. degree in [Artificial Intelligence](#) at Yonsei University, where I was a member of the [MICV](#) group, advised by Prof. [Seong Jae Hwang](#). During my master's program, I also spend some time at [NewcureM](#) as an AI researcher, working with Dr. [Mijin Yun](#) (CEO & Professor of Medicine). Prior to that, I earned my B.S. in [Mathematics](#), Yonsei University.

EDUCATION

Ph.D. student in Kim Jaechul Graduate School of AI, KAIST	Aug 2026 - Current
M.S. in Artificial Intelligence, Yonsei University	Mar 2024 - Feb 2026
B.S. in Mathematics, Yonsei University	Mar 2018 - Aug 2023

RESEARCH EXPERIENCE

BioImaging, Signal Processing, & machine Learning lab. (BISPL) , KAIST AI	
PhD Student	Aug 2026 - Current
Researcher	Mar 2026 - Aug 2026
Medical Imaging & Computer Vision Lab (MICV) , Yonsei University	
MS Student	Mar 2024 - Feb 2026
Research Intern	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

PREPRINTS

• *Robotics*

DriftOPD: Sequence-Level Reverse-KL Distillation for One-Step VLA Policies [\[PDF\]](#)
[Youngjun Jun](#), Kyumin Choi, Youngmin Kim, Seonghyun Jin, Sunwoo Park, Jangho Park, Jong Chul Ye

Adjoint Guidance Flow: Amortized Critic Guidance for VLA Policies [\[PDF\]](#)
Jeongsol Kim, [Youngjun Jun](#), Kyumin Choi, Youngmin Kim, Seonghyun Jin, Sunwoo Park, Jangho Park, Kwanyoung Kim, Jong Chul Ye

Don't Throw Away the Tail: Action Upcycling for Policy Acceleration [\[PDF\]](#)
Taesung Kwon, Jangho Park, Sunwoo Park, Youngmin Kim, Seonghyun Jin, [Youngjun Jun](#), Kyumin Choi, Jong Chul Ye

FastOPD: On-Policy Distillation for Lightweight VLA Deployment [\[PDF\]](#)
Yoojin Oh, Jeongsol Kim, Yeonwoo Seo, Jangho Park, Seonghyun Jin, Sunwoo Park, Youngmin Kim, [Youngjun Jun](#), Kyumin Choi, Jong Chul Ye

CONFERENCE PUBLICATIONS

• *Videos*

Interpretable Motion-Attentive Maps: Spatio-Temporally Localizing Concepts in Video Diffusion Transformers [\[CVPR 2026\]](#) [\(Highlight\)](#) [\[PDF\]](#)
[\[KCC 2026 Workshop on XAI\]](#) [\(Best Paper Award\)](#) (domestic in Korea)
[Youngjun Jun](#), Seil Kang, Woojung Han, 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

• *Images*

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

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

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

• *Medical Imaging*

Slice-Consistent 3D Volumetric Brain CT-to-MRI Translation with 2D Brownian Bridge Diffusion Model [\[MICCAI 2024\]](#) [\[PDF\]](#)

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

PRETI: Patient-Aware Retinal Foundation Model via Metadata-Guided Representation Learning [\[MICCAI 2025\]](#) [\[PDF\]](#)

Yeonkyung Lee, Woojung Han, Youngjun Jun, Hyeonmin Kim, Jungkyung Cho, 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

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, L^AT_EX

Language

English (Intermediate)

Korean (Native)