Jeongho Kim

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RESEARCH INTERESTS

Deep generative models, Image and video editing, Memory Efficient Fine-tuning

WORK EXPERIENCE

Qualcomm AI Research — Senior Engineer — Dec. 2025 ∼ Current
· Memory-Efficient Fine-Tuning of Diffusion Models and LLMs

Qualcomm AI Research — Research Intern — Oct. 2024 ∼ Dec. 2025
· Personalization of Diffusion Models

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) — Mar. 2023 ∼ Feb. 2026
- Ph.D in Kim Jaechul Graduate School of Artificial Intelligence
- Advisor: Jaegul Choo

Sungkyunkwan University — Sep. 2021 ∼ Feb. 2023
- M.S in department of Artificial Intelligence (GPA 4.06 / 4.5)
- Advisor: Simon S. Woo.

Sungkyunkwan University — Mar. 2015 ∼ Aug. 2021
- B.S. in Department of Mathematics (Double Major, Major GPA 3.68 / 4.5)
- B.S. in Department of Computer Science (Double Major, Major GPA 4.20 / 4.5)

*Military service, 2017 ∼ 2018

PUBLICATIONS

[17] Minjung Kim*, **Jeongho Kim***, Hoiyeong Jin, Junha Hyung, Jaegul Choo. "Infinite-Homography as Robust Conditioning for Camera-Controlled Video Generation." **ECCV 2026**. [Paper] [Code] [Project page]

[16] Hoiyeong Jin*, Hyojin Jang*, Junha Hyung*, **Jeongho Kim***, Kinam Kim, Dongjin Kim, Huijin Choi, Hyeonji Kim, Jaegul Choo. "InsertAnywhere: Bridging 4D Scene Geometry and Diffusion Models for Realistic Video Object Insertion." **ECCV 2026**. [Paper] [Project page]

[15] Wonguk Cho, Kyubyung Chae, Tribhuvanesh Orekondy, Sunghyun Park, Hyoungwoo Park, **Jeongho Kim**, Arash Behboodi, Kyuwoong Hwang, Sungrack Yun. "MoNe: Modular Neural Memory for Efficient Long Context Inference." **ICMLW 2026**. [Paper]

[14] Sunghyun Park*, **Jeongho Kim***, Hyoungwoo Park, Debasmit Das, Sungrack Yun, Munawar Hayat, Jaegul Choo, Fatih Porikli, Seokeon Choi. "Memory-Efficient Fine-Tuning Diffusion Transformers via Dynamic Patch Sampling and Block Skipping." **CVPR 2026**. [Paper]

[13] Shubhankar Borse, Seokeon Choi, Sunghyun Park, **Jeongho Kim**, Shreya Kadambi, Risheek Garrepalli, Sungrack Yun, Munawar Hayat, Fatih Porikli. "MultiHuman-Testbench: Benchmarking Image Generation for Multiple Humans." **NeurIPS** Datasets and Benchmarks Track, **2025**. [Paper]

[12] Seokeon Choi, Sunghyun Park, Hyoungwoo Park, **Jeongho Kim**, Sungrack Yun. "Memory-Efficient Personalization of Text-to-Image Diffusion Models via Selective Optimization Strategies." **ICCVW 2025**. **Oral Presentation, Best Paper Award** [Paper]

[11] **Jeongho Kim***, Hoiyeong Jin*, Sunghyun Park, Jaegul Choo. "PromptDresser: Improving the Quality and Controllability of Virtual Try-On via Generative Textual Prompt and Prompt-aware Mask." **ICCV 2025**. [Paper] [Code]

[10] Huijun Kim, **Jeongho Kim**, Sohyun Jeong, Minbong Lee, Jaegul Choo, SungHee Kim. "ShoeGenAI: A Creativity Support Tool for High-Feasible Shoe Product Design." **CHI** Late-Breaking Work Track, **2025**. [Paper]

[9] Chaeyeon Chung, Sunghyun Park, **Jeongho Kim**, Jaegul Choo. "What to Preserve and What to Transfer: Faithful, Identity-Preserving Diffusion-based Hairstyle Transfer." **AAAI 2025**. [Paper] [Code]

[8] **Jeongho Kim***, Minjung Kim*, Junsoo Lee, Jaegul Choo. "TCAN: Animating Human Images with Temporally Consistent Pose Guidance Using Diffusion Models." **ECCV 2024**. [Paper] [Code] [Project page]

[7] **Jeongho Kim**, Gyojung Gu, Minho Park, Sunghyun Park, Jaegul Choo. "StableVITON: Learning Semantic Correspondence with Latent Diffusion Model for Virtual Try-On." **CVPR 2024**. [Paper] [Code] [Project page]

[6] **Jeongho Kim**, Simon S Woo. "Relation-Aware Label Smoothing for Self-KD." **PAKDD 2024**. [Paper]

[5] **Jeongho Kim**, Hanbeen Lee, Simon S Woo. "IMF: Integrating Matched Features Using Attentive Logit in Knowledge Distillation." **IJCAI 2023**. [Paper]

[4] Eun-Ju Park, Seung-Yeon Back, **Jeongho Kim**, Simon S Woo. "KID34K: A Dataset for Online Identity Card Fraud Detection." **CIKM 2023**. [Paper]

[3] **Jeongho Kim***, Yun-Gyoo Lee*, Donggeun Ko, Taejune Kim, Soo-Youn Ham, Simon S Woo. "MGCMA: Multi-scale Generator with Channel-wise Mask Attention to Generate Synthetic Contrast-enhanced Chest Computed Tomography." **SAC 2023**. **Best Paper Award** [Paper]

[2] Hanbeen Lee, **Jeongho Kim**, Simon S Woo. "Sliding Cross Entropy for Self-Knowledge Distillation." **CIKM 2022**. [Paper]

[1] Jaeju An*, **Jeongho Kim***, Hanbeen Lee, Jinbeom Kim, Junhyung Kang, Saebyeol Shin, Minha Kim, Donghee Hong, Simon S Woo. "VFP290K: A Large-Scale Benchmark Dataset for Vision-Based Fallen Person Detection." **NeurIPS** Datasets and Benchmarks Track, **2021**. [Paper] [Code] [Project page]

AWARDS

· Best Paper Award, ICCV LIMIT Workshop 2025
· Best Paper Award, ACM SAC (AI and Agents track) 2023
· Best Student Award, SKKU AI Graduate School 2022
· Ministerial Award, Abnormal Behavior Detection Grand Challenge 2021

INVITED TALKS

CVPR 2024 Workshop on Virtual Try-On Jun. 2024
Introduce "StableVITON: Learning Semantic Correspondence with Latent Diffusion Model for Virtual Try-On".

SNOW Corporation Feb. 2024
Lecture and Q&A session on research for developing virtual try-on technology.

Sungkyunkwan Univ. AI Colloquium Sep. 2022
Introduce "Sliding cross entropy for self-knowledge distillation".

PATENTS

Simon S. Woo, **Jeongho Kim**, Taejune Kim, Donggeun Ko, Yun-Gyoo Lee, Soo-Youn Ham, "METHOD AND APPARATUS FOR GENERATING CONTRAST ENHANCE IMAGE FROM NON-CONTRAST IMAGE USING NEURAL NETWORK MODEL, AND METHOD FOR TRAINING NEURAL NETWORK MODEL", *United States Patent Application*, No. 18/603,467, filed March, 2024, *Patent pending*

Simon S. Woo, **Jeongho Kim** "DEEP LEARNING MODEL TRAINING METHOD USING SELF-KNOWLEDGE DISTILLATION ALGORITHM, DEEP LEARNING MODEL INFERENCE DEVICE, AND STORAGE MEDIUM STORING INSTRUCTIONS FOR PERFORMING DEEP LEARNING MODEL TRAINING METHOD", *United States Patent Application*, No. 18/410,272, filed January, 2024, *Patent pending*

PROFESSIONAL ACTIVITIES

Reviewer: CVPR 2024, 2025, 2026, NeurIPS 2026, ICCV 2025, IJCV, AAAI 2026, WACV 2026, ECCV 2024, 2026