

Jun-Hee Kim

Integrated Master-Ph.D. Student
Pattern Recognition & Machine Learning Lab, Korea University
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EDUCATION

Mar. 2015 ~ Aug. 2020	Soongsil University Department of Mathematics <i>B.S. in Mathematics</i> GPA: 3.68 / 4.5	Seoul, Korea
Mar. 2015 ~ Sep. 2020	Soongsil University Department of Physics <i>B.S. in Physics</i> GPA: 3.68 / 4.5	Seoul, Korea
Mar. 2021 ~ Present	Korea University Department of Artificial Intelligence <i>Advisor: Seong Whan Lee</i> <i>Ph.D. Student</i> GPA: 4.23 / 4.5	Seoul, Korea

RESEARCH INTERESTS

- Computer vision
- 3D Human pose estimation
- Vision-Language Model
- Text-to-Motion Generation
- Vision-Language-Action (VLA) for Physics-Based Animation

CONFERENCES

1. Jun-Hee Kim, Seong-Whan Lee, "Toward Approaches to Scalability in 3D Human Pose Estimation", Conference on Neural Information Processing Systems (NeurIPS 2024), Vancouver, Canada (Dec. 2024) - Poster
2. Jumin Han, Jun-Hee Kim, Seong-Whan Lee, "ProPose: Probabilistic 3D Human Pose Estimation with Instance-Level Distribution and Normalizing Flow", The Association for the Advancement of Artificial Intelligence (AAAI 2025), Pennsylvania, United States (Feb. 2025) - Poster
3. Jun-Hee Kim, junmin Han, Seong-Whan Lee, "PoseAnchor: Robust Root Position Estimation for 3D Human Pose Estimation", International Conference on Computer Vision (ICCV 2025), Hawaii, United States (Oct. 2025) - Poster

4. jumin Han, jun-Hee Kim, Seong-Whan Lee, "Towards Generalizable 3D Human Pose Estimation via Ensembles on Flat Loss Landscapes ", The Thirty-Ninth Annual Conference on Neural Information Processing Systems (NeurIPS 2025), San Diego, United States (Dec. 2025) - Poster

PUBLICATIONS (SCIE/ESCI)

1. Geon-Jun Yang,Jun-Hee Kim,Hyun-Woo Kim,Gun-Hee Lee,Seong-Whan Lee, "EGPose: Explicit and Geometric Self-Supervision for 3D Human Pose Estimation", *PROCEDIA COMPUTER SCIENCE*, (2023)
2. Geon-Jun Yang,Jun-Hee Kim,Seong-Whan Lee, "Geometry-driven self-supervision for 3D human pose estimation", *NEURAL NETWORKS*, (2024)

PATENTS

1. Kim Jun-Hui, "METHOD FOR GENERATING AND ESTIMATING 3D POSTURE, RECORDING MEDIUM AND DEVICE FOR PERFORMING THE SAME", KR-Application No. 10-2023-0104847

PROJECTS

- Research and Development of Vision-Language Model-based Document Parsing Techniques, (주)코난테크놀로지, Korea (Sep. 2025 ~ Present)
- Development of a General-Purpose AI Model for Industrial Safety, (주)미스릴, Korea (Sep. 2024 ~ Oct. 2025)
- Development of a Text-to-ClipArt Video Conversion System Based on a Large-Scale Generative Model, (주)아이스크림미디어, Korea (Mar. 2023 ~ Mar. 2024)
- A Study and Demonstration of 3D Human Pose Estimation using the Konan Deep Learning Framework, (주)코난테크놀로지, Korea (Mar. 2023 ~ Dec. 2023)
- Development of an AI Vision-Based Golf Putting Analysis and Coaching Service for Home Use, (주)브이씨, Korea (Jan. 2022 ~ Dec. 2023)