

Hyun-Woo Kim

PERSONAL INFORMATION

Nov.04.1995
37, Almata-gil, Dongjak-gu,
Seoul, Republic of Korea

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EDUCATION

Korea University

Seoul, Korea

Department of Artificial Intelligence

Mar. 2021 - Feb. 2023

- M.S. in Artificial Intelligence
- Thesis: MHCanonPose: Multi-Hypothesis Canonical 3D Human Pose Estimation in the Wild
- Adviser: Professor Seong-Whan Lee
- Laboratory: PRML Laboratory
- Area of Study: Computer Vision
- GPA: 4.13 / 4.50 (96.3 / 100)

Hansung University

Seoul, Korea

College of IT Engineering

Mar. 2015 - Feb. 2021

- B.S. in Division of IT Convergence Engineering
- Advisor: Professor Hee-seok Oh
- GPA: 3.57 / 4.50 (90.7 / 100)

PUBLICATIONS

- [1] **Hyun-Woo Kim**, Gun-Hee Lee, Myeong-Seok Oh, and Seong-Whan Lee, "Cross-View Self-Fusion for Self-Supervised 3D Human Pose Estimation in the Wild," in *Proceedings of the Asian Conference on Computer Vision (ACCV)*, 2022. (Oral)
- [2] **Hyun-Woo Kim**, Gun-Hee Lee, Woo-Jeoung Nam, Kyung-Min Jin, Tae-Kyung Kang, Geon-Jun Yang, and Seong-Whan Lee "MHCanonNet: "Multi-Hypothesis Canonical Lifting Network for Self-supervised 3D Human Pose Estimation in the wild Video," in *Pattern Recognition*, 2022. (Under Review)

GRANTS AND HONORS

- [1] 2021 Miso Artificial Intelligence Model Development Challenge [PA]
Grand Prize (MSIT, NIPA, MiSo) Dec. 2021
- [2] 2020 Open-Source Software Developer Competition [PM]
Sponsor Prize (MSIT, NIPA) Nov. 2020
- [3] The 16th Hansung Engineering Competitive Exhibition [PM]
Silver Prize (Hansung Univ.) Sep. 2020
- [4] The 16th Hansung Engineering Competitive Exhibition [PM]
Bronze Prize (Hansung Univ.) Sep. 2020
- [5] The 1st Hansung University C&C Festival [PM]
Bronze Prize (Hansung Univ.) Jul. 2020
- [6] The 15th Hansung Engineering Competitive Exhibition [PM]
Bronze, Sponsor Prize (Hansung Univ.) Sep. 2019

PATENTS

- [1] **Hyun-Woo Kim**, Tae-Hyun Kim, and Jin-Myeong Je. Image-based anti-drone detection device and method using deep learning model. Korea Patent 10-2020-0080646, 2020.

RESEARCH INTERESTS	<ul style="list-style-type: none"> • 3D Human Pose Estimation • Reconstruction of 3D avatars • Reconstruction of animation-ready 3D clothed humans • Virtual try on • GAN • 3D Vision 	
RESEARCH EXPERIENCE	<p>Development of AI based Golf Swing Analysis Algorithm for Golf Training</p> <p>Korea University - VoiceCaddie May. 2021 - Oct. 2021</p> <ul style="list-style-type: none"> • Golf pose estimation model, action localization, and annotation tool • Python, C++, Pytorch and OpenCV <p>Color Image based Visual Object Tracking Algorithm Implementation and Verification</p> <p>Hansung University - ETRI Jul. 2020 - Nov. 2020</p> <ul style="list-style-type: none"> • Visual Object Tracking algorithms comparison and performance verification • Python, Pytorch 	
TEACHING EXPERIENCE	<p>LikeLion Online lecturer</p> <ul style="list-style-type: none"> • Make a Git portfolio that the interviewers like 2021 <p>Inflearn Online lecturer</p> <ul style="list-style-type: none"> • Make a GitHub blog in a day 2021 	
SKILLS	<p>Computer Programming</p> <ul style="list-style-type: none"> • Python, JavaScript, Java and C++ <p>Deep Learning Frameworks</p> <ul style="list-style-type: none"> • PyTorch, Tensorflow, and Keras <p>Languages</p> <ul style="list-style-type: none"> • Korean (Mother tongue) • English (OPIc - IH) 	