

Kyung-Min Jin

CONTACT INFORMATION	<p>Korea University Department of Artificial Intelligence 441, Dokseodang-ro, Seongdong-gu, Seoul, Republic of Korea</p>	<p><i>GitHub:</i> /KyungMinJin <i>E-mail:</i> km_jin@korea.ac.kr <i>Homepage</i> blog-donologue</p>
RESEARCH INTERESTS	<p>Designing a novel framework in computer vision domain: pose estimation architectures based on a transformer combined with convolutional neural networks.</p>	
EDUCATION	<p>Korea University Department of Artificial Intelligence</p> <ul style="list-style-type: none">• Thesis Topic: <i>Attention Merger for Pose Estimation in Video</i>• Adviser: Professor Seong-Whan Lee• Laboratory: PRML Laboratory• Area of Study: Computer Vision• GPA: 4.50 / 4.50 (100 / 100) <p>College of Informatics</p> <ul style="list-style-type: none">• B.S. in Computer Science & Engineering• B.S. in Artificial Intelligence• Advisor: Professor Seong-Whan Lee• GPA: 3.99 / 4.50 (94.2 / 100)• GPA of Computer Science & Engineering: 4.02 / 4.50 (94.5 / 100)• GPA of Artificial Intelligence 4.17 / 4.50 (96.2 / 100)	<p>Seoul, Korea Sep. 2021 - present Mar. 2016 - Aug. 2021</p>
PUBLICATIONS	<p>[1] Kyung-Min Jin, Byoung-Sung Lim, Gun-Hee Lee, Tae-Kyung Kang and Seong-Whan Lee, "Kinematic-aware Hierarchical Attention Network for Human Pose Estimation in Videos," <i>IEEE Winter Conference on Applications of Computer Vision (WACV)</i>, 2023. (Under Review)</p> <p>[2] Tae-Kyung Kang, Gun-Hee Lee, Kyung-Min Jin, and Seong-Whan Lee, "Action-aware Masking Network with Group-based Attention for Temporal Action Localization," <i>IEEE Winter Conference on Applications of Computer Vision (WACV)</i>, 2023. (Under Review)</p> <p>[3] Kyung-Min Jin, Gun-Hee Lee, and Seong-Whan Lee, "OTPose: Occlusion-Aware Transformer for Pose Estimation in Sparsely-Labeled Videos," <i>International Conference on Systems, Man, and Cybernetics (IEEE SMC)</i>, 2022. (Oral)</p>	
CONFERENCE TALKS	<p>[1] Kyung-Min Jin, Gun-Hee Lee, and Seong-Whan Lee. OTPose: Occlusion-Aware Transformer for Pose Estimation in Sparsely-Labeled Videos. <i>International Conference on Systems, Man, and Cybernetics (IEEE SMC)</i>, October 9 - 12 2022, Prague, Czech Republic.</p>	
GRANTS AND HONORS	<p>[1] 2022 LG Electronics R&D Scholarships</p> <p>[2] Grand Prize in 2021 Miso Artificial Intelligence Model Development Challenge - Infant Behavior Video Data</p> <p>[3] Korea University 2020 smart campus dataton</p>	<p>Sep. 2022 - present Dec. 2021 Jul. 2020</p>

RESEARCH EXPERIENCE	Voicecaddie Golf swing pose, distance assistant device • Golf pose estimation model, action localization, and annotation tool • Pytorch, C++, and OpenCV	Seoul, Korea May. 2020 - Nov. 2020
INDUSTRIAL EXPERIENCE	Deer Corporation Electric kick board startup • Frontend developer • React, Typescript, Next.js, and React Native Klue Course evaluation service for Korea University • Frontend developer • React, Redux, Typescript, and mobx	Seoul, Korea Jul. 2020 - Feb. 2021 Seoul, Korea Jul. 2019 - present
CERTIFICATE	Human Resources Development Service of Korea • Engineer Information Processing	Seoul, Korea Nov. 2021
SKILLS	Computer Programming: • Python, JavaScript, and C Deep Learning Frameworks: • Keras, Tensorflow, and PyTorch Languages: • Korean (mother tongue) • English (OPIc - IM1 / TOEIC - 830)	