

Daniel Sungho Jung

PHD CANDIDATE · INTERDISCIPLINARY PROGRAM IN ARTIFICIAL INTELLIGENCE

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Education

Seoul National University

PHD IN ARTIFICIAL INTELLIGENCE

Seoul, Republic of Korea

Mar. 2022 - present

- Advisor: Prof. Kyoung Mu Lee (Editor in Chief of TPAMI)

The Pennsylvania State University

BS IN STATISTICAL MODELING DATA SCIENCE

University Park, PA, USA

Aug. 2017 - Dec. 2021

- Advisor: Prof. Dongwon Lee, Prof. Kaamran Raahemifar

Publications

Daniel Sungho Jung, and Kyoung Mu Lee, "Shoe Style-Invariant and Ground-Aware Learning for Dense Foot Contact Estimation", *ArXiv 2025*. [\[PDF\]](#)

Daniel Sungho Jung, and Kyoung Mu Lee, "Learning Dense Hand Contact Estimation from Imbalanced Data", *Annual Conference on Neural Information Processing Systems (NeurIPS) 2025*. [\[PDF\]](#)

Jaerin Lee, **Daniel Sungho Jung**, Kanggeon Lee, and Kyoung Mu Lee, "SemanticDraw: Towards Real-Time Interactive Content Creation from Image Diffusion Models", *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2025*. [\[PDF\]](#)

Hyeongjin Nam*, **Daniel Sungho Jung***, Gyeongsik Moon, and Kyoung Mu Lee, "Joint Reconstruction of 3D Human and Object via Contact-Based Refinement Transformer", *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024*. (* equal contribution) [\[PDF\]](#)

JoonKyu Park*, **Daniel Sungho Jung***, Gyeongsik Moon*, and Kyoung Mu Lee (* equal contribution), "Extract-and-Adaptation Network for 3D Interacting Hand Mesh Recovery", *IEEE/CVF International Conference on Computer Vision Workshops (ICCVW) 2023*. (* equal contribution) [\[PDF\]](#)

Hyeongjin Nam, **Daniel Sungho Jung**, Yeonguk Oh, and Kyoung Mu Lee, "Cyclic Test-Time Adaptation on Monocular Video for 3D Human Mesh Reconstruction", *IEEE/CVF International Conference on Computer Vision (ICCV) 2023*. [\[PDF\]](#)

Xianghui Xie, Xi Wang, Nikos Athanasiou, Bharat Lal Bhatnagar, Chun-Hao P. Huang, Kaichun Mo, Hao Chen, Xia Jia, Zerui Zhang, Liangxian Cui, Xiao Lin, Bingqiao Qian, Jie Xiao, Wenfei Yang, Hyeongjin Nam, **Daniel Sungho Jung**, Kihoon Kim, Kyoung Mu Lee, Otmar Hilliges, and Gerard Pons-Moll, "RHOBIN Challenge: Reconstruction of Human Object Interaction", *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW) 2023*. [\[PDF\]](#)

Workshops & Challenges

JoonKyu Park*, **Daniel Sungho Jung***, Gyeongsik Moon*, Kyoung Mu Lee. **Oral Presentation** for Extract-and-Adaptation Network for 3D Interacting Hand Mesh Recovery. *CV4Metaverse workshop in conjunction with ICCV 2023*.

Hyeongjin Nam, **Daniel Sungho Jung**, Kihoon Kim, Kyoung Mu Lee. **The 1st Place Winner** for Joint Reconstruction of Human and Object Track. *The RHOBIN challenge in conjunction with CVPR 2023*.

Work Experiences

SONY Group Corporation

Tokyo, Japan

Apr. 2025 - Jul. 2025

RESEARCH INTERN

- Supervisor: Jerry Jun Yokono
- Manager: Sayaka Nakamura
- Mentor: Takuya Ohashi
- Research Area: 3D Human Mesh Reconstruction

Korea Advanced Institute of Science and Technology (KAIST)	<i>Daejeon, Republic of Korea</i>
VISITING STUDENT RESEARCHER	<i>Jun. 2021 - Aug. 2021</i>
<ul style="list-style-type: none">• Advisor: Prof. Seunghoon Hong• Mentor: Jinwoo Kim• Research Area: Graph Neural Network and Transformer model	
The Pennsylvania State University	<i>University Park, PA, USA</i>
UNDERGRADUATE RESEARCH ASSISTANT	<i>Aug. 2019 - Sep. 2020</i>
<ul style="list-style-type: none">• Advisor: Prof. Dongwon Lee• Research Area: Data Mining in Social Media	

Teaching Experiences.

Selected Topics in Computer Vision (Seoul National University)	<i>Seoul, Republic of Korea</i> Mar. 2026 - Jun. 2026
TEACHING ASSISTANT	
• Instructor: Prof. Kyoung Mu Lee	
Introduction to Robotics (Seoul National University)	<i>Seoul, Republic of Korea</i> Mar. 2024 - Jun. 2024
TEACHING ASSISTANT	
• Instructor: Prof. Jinsoo Kim	
Introductory Microeconomic Analysis and Policy (The Pennsylvania State University)	<i>University Park, PA, USA</i> Aug. 2018 - May. 2019
TEACHING ASSISTANT	
• Instructor: Prof. Austin Boyle	

Industrial Collaborations

2025	Amodal Segmentation and Inpainting of Human with Video Diffusion Model , Samsung C-Lab
2023-2024	Real-time online action detection for professional table tennis competition broadcasting using 3D human pose and motion , SNU AI Lab & CloIT
2022-2023	Detailed 3D human body pose, shape, and motion reconstruction technology for an in-the-wild environment using monocular video , LG AI Research

Awards, Fellowships, & Grants

2025	SNU Graduate Student Instructor Scholarship , Seoul National University	<i>Full tuition</i>
2023	The 1st Place Winner for Joint Reconstruction of Human and Object Track , The RHOBIN workshop in conjunction with CVPR 2023	<i>Sponsored by Adobe</i>
2022-2023	Artificial Intelligence Graduate School Program Fellowship , IITP in the Government of Korea (Ministry of Science and ICT)	<i>Full tuition</i>
2017-2021	Penn State Dean's List , Office of Dean at The Pennsylvania State University	
2021	IEEE Member of the Month Award , Penn State IEEE Student Chapter	
2020	HackPSU Social Justice Award , College of Engineering, The Pennsylvania State University	

Invited Talks

2025 Learning Dense Hand Contact Estimation from Imbalanced Data, SNU IPAI Lunch Seminar

Services

Workshop Co-Organizer

WORKSHOP COMMITTEE

- CV4Metaverse Workshop at CVPR 2025

Technical Program Committee

WORKSHOP COMMITTEE

- CV4Metaverse Workshop at ECCV 2024

Reviewer

CONFERENCE AND WORKSHOP REVIEWER

- ECCV (2026), CVPR (2026), AISTATS (2026), ICLR (2025-2026), NeurIPS (2024-2025), WACV (2025), CVPRW (2025), ECCVW (2024)

References

Kyoung Mu Lee

ADVISOR

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- Contact: kyoungmu@snu.ac.kr
- Webpage: cv.snu.ac.kr/index.php/kmlee

Gyeongsik Moon

MENTOR

- Affiliation: Assistant Professor at Korea University
- Contact: mks0601@gmail.com
- Webpage: mks0601.github.io