

Daniel Sungho Jung

PHD CANDIDATE · GRADUATE SCHOOL OF ARTIFICIAL INTELLIGENCE

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Education

Seoul National University

PHD IN ARTIFICIAL INTELLIGENCE

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

Seoul, Republic of Korea

Mar. 2022 - present

The Pennsylvania State University

BS IN STATISTICAL MODELING DATA SCIENCE

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

University Park, PA, USA

Aug. 2017 - Dec. 2021

Publications

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)

Jaerin Lee, **Daniel Sungho Jung**, Kanggeon Lee, and Kyoung Mu Lee. SemanticDraw: Towards Real-Time Interactive Content Creation from Image Diffusion Models. *Arxiv*. **2024**.

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)

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**.

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**.

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*.

Professional Experience

Seoul National University

PH.D. CANDIDATE

- Advisor: Prof. Kyoung Mu Lee
- Research Area: 3D Human Reconstruction, 3D Scene Reconstruction

Seoul, Republic of Korea

Mar. 2022 - present

Korea Advanced Institute of Science and Technology (KAIST)

VISITING STUDENT RESEARCHER

- Advisor: Prof. Seunghoon Hong
- Research Area: Graph Neural Network and Transformer model

Daejeon, Republic of Korea

Jun. 2021 - Aug. 2021

The Pennsylvania State University
UNDERGRADUATE RESEARCH ASSISTANT
• Advisor: Prof. Dongwon Lee
• Research Area: Data Mining in Social Media

University Park, PA, USA
Aug. 2019 - Sep. 2020

Teaching Experience

Introduction to Robotics (Seoul National University)
TEACHING ASSISTANT
• Instructor: Prof. Jinsoo Kim

Seoul, Republic of Korea
Mar. 2024 - Jun. 2024

Introductory Microeconomic Analysis and Policy (The Pennsylvania State University)
TEACHING ASSISTANT
• Instructor: Prof. Austin Boyle

University Park, PA, USA
Aug. 2018 - May. 2019

Awards, Fellowships, & Grants

2023	The 1st Place Winner for Joint Reconstruction of Human and Object Track , The RHOBIN workshop in conjunction with CVPR 2023	\$500 by Adobe
2022-2023	Artificial Intelligence Graduate School Program Fellowship , IITP in the Government of Korea (Ministry of Science and ICT)	Full tuition
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	\$ 100

Industrial Collaborations

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

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
• ICML 2025, AISTATS 2025, ICLR 2025, WACV 2025, NeurIPS 2024, ECCVW 2024

References

Kyoung Mu Lee**ADVISOR**

- Affiliation: Distinguished Professor at Seoul National University
- Contact: kyoungmu@snu.ac.kr
- Webpage: cv.snu.ac.kr/index.php/kmlee

Gyeongsik Moon**MENTOR**

- Affiliation: Assistant Professor at DGIST (Formerly, Reality Labs Research at Meta)
- Contact: mks0601@gmail.com
- Webpage: mks0601.github.io