Daniel Sungho Jung

PhD Candidate · Graduate school of Artificial Intelligence

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Education

Seoul National University — *Seoul, Republic of Korea*

PhD in Artificial Intelligence — *Mar. 2022 - present*

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

The Pennsylvania State University — *University Park, PA, USA*

BS in Statistical Modeling Data Science — *Aug. 2017 - Dec. 2021*

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

Publications

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

Jaerin Lee, **Daniel Sungho Jung**, Kanggeon Lee, and Kyoung Mu Lee. StreamMultiDiffusion: Real-Time Interactive Generation with Region-Based Semantic Control. ***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**.*

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

Korea Advanced Institute of Science and Technology (KAIST) — *Daejeon, Republic of Korea*

Visiting Student Researcher — *Jun. 2021 - Aug. 2021*

- Advisor: Prof. Seunghoon Hong

The Pennsylvania State University — *University Park, PA, USA*

Undergraduate Research Assistant — *Aug. 2019 - Sep. 2020*

- Advisor: Prof. Dongwon Lee

Teaching Experience

Introduction to Robotics (Seoul National University) *Seoul, Republic of Korea*
Teaching Assistant *Mar. 2024 - Jun. 2024*
- Instructor: Prof. Jinsoo Kim

Introductory Microeconomic Analysis and Policy (The Pennsylvania State University) *University Park, PA, USA*
Teaching Assistant *Aug. 2018 - May. 2019*
- Instructor: Prof. Austin Boyle

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

Reviewer
Conference Reviewer
- AISTATS 2025, ICLR 2025, WACV 2025, NeurIPS 2024

Reviewer
Workshop Reviewer
- ECCVW 2024

References

Kyoung Mu Lee
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- 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