

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

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

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*.

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)

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*.

Work Experiences

SONY Group Corporation

RESEARCH INTERN

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

Tokyo, Japan

Apr. 2025 - Jul. 2025

Korea Advanced Institute of Science and Technology (KAIST)**VISITING STUDENT RESEARCHER**

- Advisor: Prof. Seunghoon Hong
- Mentor: Jinwoo Kim
- 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 Experiences****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***Industrial Collaborations**

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|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025 | Amodal Segmentation and Inpainting of Human with Video Diffusion Model , Samsung Electronics |
| 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

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| 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 | |

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

- 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