# Daniel Sungho Jung

PhD Candidate · Interdisciplinary Program in Artificial Intelligence

*#508, Bldg. 133, 1 Gwanak-ro, Gwanak-gu, Seoul, Republic of Korea 08826*

✉ dqj5182@snu.ac.kr  |  ⌂ dqj5182.github.io  |  ⌨ dqj5182  |  in danieljung0121

## 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

**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 (**IC-CVW**) 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*
Research Intern                                                                *Apr. 2025 - Jul. 2025*
- Supervisor: Jerry Jun Yokono
- Manager: Sayaka Nakamura
- Mentor: Takuya Ohashi
- Research Area: 3D Human Mesh Reconstruction

**Korea Advanced Institute of Science and Technology (KAIST)** *Daejeon, Republic of Korea*
VISITING STUDENT RESEARCHER *Jun. 2021 - Aug. 2021*
- Advisor: Prof. Seunghoon Hong
- Mentor: Jinwoo Kim
- Research Area: Graph Neural Network and Transformer model

**The Pennsylvania State University** *University Park, PA, USA*
UNDERGRADUATE RESEARCH ASSISTANT *Aug. 2019 - Sep. 2020*
- Advisor: Prof. Dongwon Lee
- Research Area: Data Mining in Social Media

## Teaching Experiences

**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

## 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 | *Full tuition* |
| --- | --- | --- |
| 2023 | **The 1st Place Winner for Joint Reconstruction of Human and Object Track**, The RHOBIN workshop in conjunction with CVPR 2023 | *Sponsored 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 | |

## 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

- CVPR (2026), AISTATS (2026), ICLR (2025-2026), NeurIPS (2024-2025), WACV (2025), CVPRW (2025), 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 Korea University
- Contact: mks0601@gmail.com
- Webpage: mks0601.github.io