

# 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 | 💬 danieljung0121

## 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*.

**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

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)

Daejeon, Republic of Korea

## VISITING STUDENT RESEARCHER

- 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

- 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

- Instructor: Prof. Jinsoo Kim

**Introductory Microeconomic Analysis and Policy (The Pennsylvania State University)**

*University Park, PA, USA*

TEACHING ASSISTANT

- Instructor: Prof. Austin Boyle

### Industrial Collaborations

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

## Awards, Fellowships, & Grants

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