

# 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

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 Corporation

RESEARCH INTERN

- Mentor: Takuya Ohashi
- Research Area: Generative AI and Graphics

Tokyo, Japan

Apr. 2025 - Jul. 2025

### 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 Experiences

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**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

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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	

## Industrial Collaborations

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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

## Services

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**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  
• ICCV (2025), ICLR (2025), NeurIPS (2024-2025), WACV (2025), CVPRW (2025), ECCVW (2024)

## References

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**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