

Uyoung Jeong

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RESEARCH INTERESTS

Human-centric deep learning and computer vision tasks, including human/hand pose estimation, human/hand mesh reconstruction, and human/hand generation. Robotic vision tasks, including dexterous robot hand detection and pose estimation.

CONFERENCE PUBLICATIONS

- [C3] **THOM: Generating Physically Plausible Hand-Object Meshes From Text**
Uyoung Jeong, Yihalem Yimolal Tiruneh, Seungryul Baek, Hyung Jin Chang, Kwang In Kim
The IEEE/CVF Computer Vision and Pattern Recognition Conference (CVPR) Findings, 2026 (accepted)
- [C2] **PoseBH: Prototypical Multi-Dataset Training Beyond Human Pose Estimation**
Uyoung Jeong, Jonathan Freer, Seungryul Baek, Hyung Jin Chang, Kwang In Kim
The IEEE/CVF Computer Vision and Pattern Recognition Conference (CVPR), 2025, Nashville, TN
- [C1] **BoIR: Box-Supervised Instance Representation for Multi-Person Pose Estimation**
Uyoung Jeong, Seungryul Baek, Hyung Jin Chang, Kwang In Kim
34th British Machine Vision Conference (BMVC), 2023, Aberdeen, UK

PROFESSIONAL EXPERIENCE

- **UNIST** Oct. 2025 -
Postdoc researcher Ulsan, Republic of Korea
 - Mentor: [Prof. Seungryul Baek](#)
 - Topic: 3D Hand-Object Generation, Dexterous Robot Hand Pose Estimation
- **University of Birmingham** Sep. 2024 - Dec. 2024
Visiting Research Student Birmingham, United Kingdom
 - Mentor: [Dr. Hyung Jin Chang](#)
 - Topic: Human Pose Estimation, Multi-Dataset Training

RESEARCH EXPERIENCE

- **UNIST** Jan. 2019 - Jun. 2019
Research Intern Ulsan, South Korea
 - Mentor: [Prof. Jaesik Choi](#)
 - Topic: Question Answering (NLP)
- **UNIST** Mar. 2018 - Dec. 2018
Research Intern Ulsan, South Korea
 - Mentor: Prof. Tsz-Chiu Au
 - Topic: Traffic Prediction
- **KAIST** Dec. 2017 - Feb. 2018
Research Intern Daejeon, South Korea
 - Mentor: [Prof. Sung Ju Hwang](#)
 - Topic: Question Answering (NLP)
- **UNIST** Sep. 2017 - Dec. 2017
Research Intern Ulsan, South Korea
 - Mentor: [Prof. Sung Ju Hwang](#)
 - Topic: Question Answering (NLP)

EDUCATION

- **UNIST** Sep. 2021 - Aug. 2025
Ph.D., Artificial Intelligence Ulsan, South Korea
 - Adviser: [Prof. Kwang In Kim](#), [Prof. Seungryul Baek](#)
 - Area of Study: Human Pose Estimation, Multi-Dataset Training, 3D Hand-Object Interaction Generation
- **UNIST** Sep. 2019 - Aug. 2021
M.S., Computer Science and Engineering Ulsan, South Korea
 - Adviser: [Prof. Kwang In Kim](#)
 - Area of Study: Human Pose Estimation, Metric Learning
- **UNIST** Mar. 2015 - Sep. 2019
B.S., Computer Science and Engineering Ulsan, South Korea