

Curriculum Vitae

Jeongwan On



Jeongwan On (온정완)

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🐙 GitHub Profile
🏠 Homepage

Research Interest

- 3D Mesh Reconstruction / Hand Pose Estimation.

Education

24. Sep - **Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea.**
Combined MS/PhD Student
Artificial Intelligent Graduate School (AIGS)
Advisor: Seungryul Baek
18. Mar - 24. Feb **Chonnam National University, Gwangju, Korea.**
Bachelor Student
Department of Statistics

International Publications

- ECCV**
2024 **Jeongwan On**, Kyeonghwan Gwak, Gunyoung Kang, Hyein Hwang, Soohyun Hwang, Junuk Cha, Jaewook Han and Seungryul Baek. "1st Place Solution to the 8th HANDS Workshop Challenge - ARCTIC Track: 3DGS-based Bimanual Category-agnostic Interaction Reconstruction", in Technical Report of European Conference on Computer Vision (**ECCV**) workshop, Milan, Italy, 2024.
- ECCV**
2024 Zicong Fan, Takehiko Ohkawa, Linlin Yang, Nie Lin, Zhishan Zhou, Shihao Zhou, Jiajun Liang, Zhong Gao, Xuanyang Zhang, Xue Zhang, Fei Li, Liu Zheng, Feng Lu, Karim Abou Zeid, Bastian Leibe, **Jeongwan On**, Seungryul Baek, Aditya Prakash, Saurabh Gupta, Kun He, Yoichi Sato, Otmar Hilliges, Hyung Jin Chang and Angela Yao. "Benchmarks and Challenges in Pose Estimation for Egocentric Hand Interactions with Objects ", in Proc. of European Conference on Computer Vision (**ECCV**), Milan, Italy, 2024.
- ICASSP**
2024 Junsu Kim, Sumin Hong, Chanwoo Kim, Jihyeon Kim, Yihalem Yimolal Tiruneh, **Jeongwan On**, Jihyun Song, Sunhwa Choi and Seungryul Baek. "Class-Wise Buffer Management for Incremental Object Detection: An Effective Buffer Training Strategy", in Proc. of IEEE International Conf. on Acoustics, Speech, and Signal Processing (**ICASSP**), Seoul, South Korea, 2024.

Honors and Awards

- 2024. Sep** **1st place at 2024 ECCV hand challenge (Bimanual category-agnostic interaction reconstruction), ECCV, 2024.**
- 2023. Oct** **3rd place at 2023 ICCV hand challenge (Consistent Motion Reconstruction), ICCV, 2023.**

2023. Nov	Best Undergraduate Paper Award, Chonnam National University, 2023.
2023. Sep	2nd prize at AI idea contest, gwangju information & culture industry promotion agency (GI-CON), 2023.
2022. Dec	Outstanding Intern Award, ICT Academic Project, Euclidsoft Co., Ltd., 2022.
2022. Oct	1st prize at Bigdata competition, Chonnam National University, 2022.
2021. Oct	3rd prize at Bigdata competition, Chonnam National University, 2021.

Experience

23. Mar - 24. Aug.	UNIST Vision and Learning Lab (UVLL). <i>Researcher, Research Intern</i> 3D Reconstruction / Hand pose estimation Transformer based object detection	📍 Ulsan, Korea
22. Sep - 22. Dec	Euclidsoft Co., Ltd. <i>Internship at Development team (Received Outstanding Intern Award)</i> Model optimization (TensorRT, CUDA Stream) Object detection	📍 Daejeon, Korea

Projects

23. Mar - present	"Development of Vision Recognition Module for ARTG Control", Ministry of Oceans and Fisheries. <ul style="list-style-type: none"> • Development of Driving Autosteering Algorithm and Module through Vision part.
22. Aug - 23. Aug.	"Expanding Data Coverage through Incremental Learning and Development Integrated Domain Recognition Systems", LG Electronics. <ul style="list-style-type: none"> • Conversion from pytorch model to tf lite for edge device. • Development of Object Detection algorithm.