Curriculum Vitae
Jeongwan On

Jeongwan On （온정완）

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Research Interest

- 3D Pose Estimation/Mesh Reconstruction, Action Recognition and Object Detection

Education

23. Mar - 23. Jul	**Ulsan National Institute of Science and Technology (UNIST)** *Exchange Student* Department of Mathematical Sciences	*GPA : 4.0 / 4.3*
18. Mar - present	**Chonnam National University, Gwangju, Korea** *Bachelor Student* Department of Statistics	*GPA : 4.1 / 4.5*

Experience

23. Mar - 23. Sep.	**UNIST Vision and Learning Lab (UVLL)** *Research Intern* Research about 3D Hand pose estimation / Transformer based object detection Industry-Academia Collaboration Research with LG Electronics	📍 *UNIST*
22. Sep - 22. Dec	**Euclidsoft** *Internship at Development team **(Received Excellence Internship Award)*** Model optimization (TensorRT, CUDA Stream) / Object detection (SSD and YOLOv7)	📍 *Daeojeon, Korea*
22. Mar - 22. Sep.	**Agricultural Big Data Lab** *Research Student* Developed Statistical API Web Application in Django Environment	📍 *Chonnam National University*

Publications

ICASSP *(under review)* 2024	J. Kim, S. Hong, C. Kim, J. Kim, Y. Tiruneh, **J. On**, J. Song, S. Choi, and S. Baek, "Class-Wise Buffer Management for Incremental Object Detection: An Effective Buffer Training Strategy" in International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), 2024
IEIE 2023	J. Kim, S. Hong, J. Kim, **J. On**, C. Kim, Y. Tiruneh, J. Song, S. Choi, S. Beak, "Reducing data imbalancing for Object Detection" in Summer Annual Conference of IEIE, 2023

Honors and Awards

2023. Oct	**3rd place at 2023 ICCV hand challenge (Consistent Motion Reconstruction)**
2023. Sep	디지털 신기술을 활용한 지역 문제해결 아이디어 공모전 최우수상, 광주정보문화산업진흥원
2022. Dec	[ABC Internship] ICT 학점연계 프로젝트 인턴십 우수 인턴상, (주)유클리드소프트
2022. Oct	[2022 통계학과 빅데이터 경진대회 1등, Chonnam National University, Korea
2021. Oct	2022 통계학과 빅데이터 경진대회 3등, Chonnam National University, Korea

Projects

23. Mar - present
"Development of Vision Recognition Module for ARTG Control", Ministry of Oceans and Fisheries
- **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
- **Conversion from pytorch model to tflite** for edge device
- Development of **Object Detection** algorithm

Open Source

onnx2tf
Contributor & Sponsor

"Self-Created Tools to convert ONNX files (NCHW) to TensorFlow/TFLite/Keras format (NHWC)"
- **Add a new parameter** called —custom_input_op_name_np_data_path(cind), in PR #296
- **Add additional information** about the -cind option to the README, in PR #307
- **Raise some issues**, in Issue #275, #282, #290, #308

nobuco
Contributor

"Pytorch to Tensorflow conversion made somewhat easy."
- **Add the sin and cos operators**, in PR #5
- **Add new implementation** of the prelu, in PR #7