KYUNGJUNE BAEK

(Last update: April 21, 2022)

Google Scholar

Github

RESEARCH INTERESTS

- **Generative Adversarial Networks (GANs)**
- **Image-to-Image translation**
- **Self-supervised learning**

EDUCATION

Ph.D. student in Integrated Technology from **Yonsei University** Mar. 2018 - Present
Advisor: Prof. Hyunjung Shim

B.S. in EE and CS from **Yonsei University** Mar. 2014 - Feb. 2018

EXPERIENCES

Visiting researcher
· Clova AI Research (CLAIR), Naver Corp. Sep. 2019 - Feb. 2020

EXTERNAL ACTIVITIES

Reviewer
· IJCV, ICML-Workshop-SSL, Neurips-Workshop-SSL, ICPR

Invited Talks
· Samsung Electronics DS DIT
· OKESTRO A.I. Lab/Data Science

PUBLICATIONS

1. Duhyeon Bang*, **Kyungjune Baek***, Jiwoo Kim*, Yunho Jeon, Jin-Hwa Kim, Jiwon Kim, Jongwuk Lee, Hyunjung Shim (* indicates an equal contribution), " Logit Mixing Training for More Reliable and Accurate Prediction" in **IJCAI**, 2022.
2. **Kyungjune Baek**, Hyunjung Shim, "Commonality in Natural Images Rescues GANs: Pretraining GANs with Generic and Privacy-free Synthetic Data" in **CVPR**, 2022.
3. **Kyungjune Baek**, Yunjey Choi, Youngjung Uh, Jaejun Yoo, Hyunjung Shim, "Rethinking the Truly Unsupervised Image-to-Image Translation" in **ICCV**, 2021.
4. **Kyungjune Baek***, Duhyeon Bang*, Hyunjung Shim (* indicates an equal contribution), "GridMix: Strong Regularization Through Local Context Mapping" in **Pattern Recognition**, 2021, IF=7.196.
5. **Kyungjune Baek***, Minhyun Lee*, Hyunjung Shim (* indicates an equal contribution), "PsyNet: Self-Supervised Approach to Object Localization Using Point Symmetric Transformation" in **AAAI**, 2020.
6. **Kyungjune Baek***, Seungho Lee*, Hyunjung Shim (* indicates an equal contribution), "Learning from Better Supervision: Self-distillation for Learning with Noisy Labels" in **ICPR**, 2022.

7. **Kyungjune Baek**, Duhyeon Bang, Hyunjung Shim, "Editable Generative Adversarial Networks: Generating and Editing Faces Simultaneously" in **ACCV**, 2018.

SKILLS

Programming Languages & Frameworks

- Programming Language: Python, C, C++, MATLAB
- Machine learning framework: PyTorch, OpenCV.

Language Proficiency

- Korean (Native)
- English (Professional Working proficiency)