Sua Choi

CONTACT
INFORMATION

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sua-choi.github.io

POSTECH Computer Vision Lab.
77 Cheongam-ro, Pohang-si, Republic of Korea (37673)

EDUCATION

POSTECH   Sep. 2022 - Present
Ph.D. student in Artificial Intelligence   Pohang-si,
(supervised by Prof. Minsu Cho)   Republic of Korea

POSTECH   Feb. 2018 - Aug. 2022
B.S. in Computer Science and Engineering   Pohang-si,
                                                             Republic of Korea

EXPERIENCE

Computer Vision Lab, POSTECH | Intern   Spring 2022
Conducted research on unsupervised object localization utilizing emerging properties of self-supervised Vision Transformers (ViT).

Recommendation team, Kakao | Intern   Summer 2021
Enhanced the recommendation algorithm for Piccoma webtoon and Kakao shopping services.

PUBLICATIONS

Contrastive Mean-Shift Learning for Generalized Category Discovery
Sua Choi, Dahyun Kang, Minsu Cho
*Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2024

PROJECTS

Activation-aware relative importance pruning | EECD695D
Suggested activation-wise relative importance scoring for post-training pruning.

Hard Embedding Expansion for Deep Metric Learning | AIGS539
Suggested hard negative embedding expansion techniques for feature-level augmentation in deep metric learning.

TEACHING
ASSISTANT

CSED341 Automata & Formal languages | POSTECH   Fall 2023

AI expert training course | POSCO   Summer 2023
Conducted practice sessions on computer vision basics and current trends.

AIGS102 Artificial Intelligence Basics II | POSTECH   Fall 2021
Conducted weekly review sessions on basic concepts of deep learning.

PROFICIENCIES

Programming | Python, C, C++

Language | Korean(native), English(intermediate)