Dongwon Kim

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Education

POSTECH Pohang, South Korea
Integrated M.S. and Ph.D. in Computer Science and Engineering; *Sep 2019 – Mar 2025 (Expected)*
- Supervised by Prof. Suha Kwak in the Computer Vision Lab.
- Research interest: Computer vision, multi-modal learning, representation learning, metric learning

POSTECH Pohang, South Korea
B.S. in Computer Science and Engineering *Mar 2015 – Aug 2019*

Publications

[1] ***Shatter and Gather: Learning Referring Image Segmentation with Text Supervision*** | arXiv
Dongwon Kim*, Namyup Kim*, Cuiling Lan, and Suha Kwak
IEEE/CVF International Conference on Computer Vision (ICCV), Oct 2023

[2] ***Improving Cross-Modal Retrieval With Set of Diverse Embeddings*** | arXiv
Dongwon Kim, Namyup Kim, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2023
Highlight (Top 2.5% = 235/9155)

[3] ***ReSTR: Convolution-Free Referring Image Segmentation Using Transformers*** | arXiv
Namyup Kim, **Dongwon Kim**, Cuiling Lan, Wenjun Zeng, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2022

[4] ***Self-Taught Metric Learning Without Labels*** | arXiv
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2022

[5] ***Embedding Transfer With Label Relaxation for Improved Metric Learning*** | arXiv
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2021

[6] ***Proxy Anchor Loss for Deep Metric Learning*** | arXiv
Sungyeon Kim, **Dongwon Kim**, Minsu Cho, and Suha Kwak
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2020

Awards & Achievements

BK21 Best Paper Award, POSTECH GSAI, 2023
- Self-Taught Metric Learning without Labels (CVPR 2022)

Qualcomm Innovation Fellowship Winner, Qualcomm Korea Corp., 2022
- Self-Taught Metric Learning without Labels (CVPR 2022)
- ReSTR: Convolution-free Referring Image Segmentation Using Transformers (CVPR 2022)

NAVER × POSTECH AI DAY The 2nd and 3rd Prize, 2022
- ReSTR: Convolution-free Referring Image Segmentation Using Transformers (CVPR 2022)

Qualcomm Innovation Fellowship Winner, Qualcomm Korea Corp., 2021
- Embedding Transfer with Label Relaxation for Improved Metric Learning (CVPR 2021)

IPIU Best Paper Award, 2021
- Embedding Transfer with Label Relaxation for Improved Metric Learning (CVPR 2021)

National Science & Technology Scholarship, Korea Student Aid Foundation, 2017-2018

Jigok Scholarship, POSTECH, 2015-2016

Professional Services

Reviewer, IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI): 2022, 2023
Reviewer, IEEE/CVF International Conference on Computer Vision (ICCV): 2023
Reviewer, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR): 2022, 2023
Reviewer, European Conference on Computer Vision (ECCV): 2022
Reviewer, Winter Conference on Applications of Computer Vision (WACV): 2023
Reviewer, Asian Conference on Computer Vision (ACCV): 2022