

Boseung Jeong

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Research Objective

I am a Ph.D student in Computer Science Engineering at POSTECH. I am a member of the Computer Vision Lab at POSTECH under the supervision of Professor Suha Kwak. My research interests are video-text retrieval, person search, multi-modal retrieval, and parameter-efficient fine-tuning.

Education

POSTECH

Sep. 2018 – Present

Integrated M.S. and Ph.D. in Computer Science and Engineering;

- Supervised by Prof. Suha Kwak in the Computer Vision Lab.

DGIST

Mar. 2014 – Feb. 2018

B.S. in Undergraduate Studies

Publications

International Conference

[C7] Learning Audio-guided Video Representation with Gated Attention for Video-Text Retrieval

Boseung Jeong, Jicheol Park, Sungyeon Kim, Suha Kwak

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2025

(**Oral presentation**, 96/13,088=0.74%)

[C6] PLOT: Text-based Person Search with Part Slot Attention for Corresponding Part Discovery

Jicheol Park, Dongwon Kim, **Boseung Jeong**, Suha Kwak

European Conference on Computer Vision (ECCV), 2024

[C5] Efficient and Versatile Robust Fine-Tuning of Zero-shot Models

Sungyeon Kim, **Boseung Jeong**, Donghyun Kim, Suha Kwak

European Conference on Computer Vision (ECCV), 2024

[C4] Human Pose Estimation in Extremely Low-light Conditions

Sohyun Lee*, Jaesung Rim*, **Boseung Jeong**, Geonu Kim, Byungju Woo, Haechan Lee, Sunghyun Cho, Suha Kwak

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

(* Equal contribution)

[C3] HIER: Metric Learning Beyond Class Labels via Hierarchical Regularization

Sungyeon Kim, **Boseung Jeong**, Suha Kwak

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

[C2] ASMR: Learning Attribute-based Person Search with Adaptive Semantic Margin Regularizer

Boseung Jeong*, Jicheol Park*, Suha Kwak

IEEE/CVF International Conference on Computer Vision (ICCV), 2021

(* Equal contribution)

[C1] Learning Discriminative Part Features through Attentions for Effective and Scalable Person Search

Jicheol Park*, **Boseung Jeong***, Jongju Shin, Juyoung Lee, Suha Kwak

IEEE International Conference on Image Processing (ICIP), 2020

(* Equal contribution)

Preprint

[P1] Improving Text-based Person Search via Part-level Cross-modal Correspondence

Jicheol Park, **Boseung Jeong**, Dongwon Kim, Suha Kwak

ArXiv Preprint, 2024

Awards & Honors

Outstanding Reviewer, IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2025

Grand Prize, BK21 Best Paper Award, Dept.CSE, POSTECH 2021

- *ASMR: Learning attribute-based person search with adaptive semantic margin regularizer*

Bronze Prize, IPIU Best Paper Award, Workshop on Image Processing and Image Understanding (IPIU) 2021

- *ASMR: Learning attribute-based person search with adaptive semantic margin regularizer*

Academic Services

International Conference Reviewer

- IEEE Conference on Computer Vision and Pattern Recognition (CVPR)
- International Conference on Computer Vision (ICCV)
- European Conference on Computer Vision (ECCV)
- AAAI Conference on Artificial Intelligence (AAAI)
- Asian Conference on Computer Vision (ACCV)
- IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)
- ACM Multimedia Conference (ACMMM)

International Journal Reviewer

- International Journal of Computer Vision (IJCV)
- IEEE Transactions on Image Processing (TIP)