

## Jungin Park

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### (a) RESEARCH INTEREST

Computer vision, foundation model, video understanding, multimodal learning, efficient machine learning

### (b) EDUCATION

2018.03 – 2024.02 **Ph.D.** Electrical&Electronic Engineering Yonsei University, Seoul, Korea  
· Advised by Prof. Kwanghoon Sohn  
· Dissertation: Language-guided spatiotemporal representation learning for video understanding  
2012.03 – 2018.02 **B.S.** Electrical&Electronic Engineering Yonsei University, Seoul, Korea

### (c) EXPERIENCE

2024.09 – present Postdoctoral Research Fellow Yonsei University, Seoul, Korea  
2024.03 – 2024.09 Visiting Researcher NAVER AI Lab, Seongnam, Korea

### (d) PUBLICATIONS

#### Selected Publications

1. Jungin Park, Jiyoung Lee<sup>†</sup>, and Kwanghoon Sohn<sup>†</sup>, Bootstrap your own views: Masked ego-exo modeling for fine-grained view-invariant video representations, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2025).
2. Jungin Park, Jiyoung Lee<sup>†</sup>, and Kwanghoon Sohn<sup>†</sup>, Bridging vision and language spaces with assignment prediction, International Conference on Learning Representations (ICLR) (2024).
3. Jungin Park\*, Jiyoung Lee\*, and Kwanghoon Sohn, Dual-path adaptation from image to video transformers, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2023).
4. Jungin Park, Jiyoung Lee, Ig-Jae Kim, and Kwanghoon Sohn, Probabilistic representations for video contrastive learning, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2022).
5. Jungin Park, Jiyoung Lee, and Kwanghoon Sohn, Bridge to answer: Structure-aware graph interaction network for video question answering, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2021).
6. Jungin Park\*, Jiyoung Lee\*, Ig-Jae Kim, and Kwanghoon Sohn, Sumgraph: Video summarization via recursive graph modeling, European Conference on Computer Vision (ECCV) (2020).

#### All Publications

1. Jungin Park, Jiyoung Lee<sup>†</sup>, and Kwanghoon Sohn<sup>†</sup>, Bootstrap your own views: Masked ego-exo modeling for fine-grained view-invariant video representations, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2025).

2. Kwonyoung Kim, Jungin Park, Jin Kim, Hyeongjun Kwon, and Kwanghoon Sohn, Faster parameter-efficient tuning with token redundancy reduction, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2025).
3. Jungin Park, Jiyoung Lee<sup>†</sup>, and Kwanghoon Sohn<sup>†</sup>, Bridging vision and language spaces with assignment prediction, International Conference on Learning Representations (ICLR) (2024).
4. Jinhyun Jang, Jungin Park, Jin Kim, Hyeongjun Kwon, and Kwanghoon Sohn, Knowing where to focus: Event-aware transformer for video grounding, IEEE/CVF International Conference on Computer Vision (ICCV) (2023).
5. Jungin Park\*, Jiyoung Lee\*, and Kwanghoon Sohn, Dual-path adaptation from image to video transformers, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2023).
6. Minsu Kim, Seungryong Kim, Jungin Park, Seongheon Park, and Kwanghoon Sohn, Partmix: Regularization strategy to learn part discovery for visible-infrared person re-identification, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2023).
7. Dahye Kim Jungin Park, Jiyoung Lee, Seongheon Park, and Kwanghoon Sohn, Language-free training for zero-shot video grounding, IEEE/CVF Winter Conference on Applications of Computer Vision (WACV) (2023).
8. Kwonyoung Kim, Jungin Park, Jiyoung Lee, Dongbo Min, and Kwanghoon Sohn, Pointfix: Learning to fix domain bias for robust online stereo adaptation, European Conference on Computer Vision (ECCV) (2022).
9. Jungin Park, Jiyoung Lee, Ig-Jae Kim, and Kwanghoon Sohn, Probabilistic representations for video contrastive learning, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2022).
10. Jin Kim, Jiyoung Lee, Jungin Park, Dongbo Min, and Kwanghoon Sohn, Pin the memory: Learning to generalize semantic segmentation, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2022).
11. Jin Kim, Jiyoung Lee, Jungin Park, Dongbo Min, and Kwanghoon Sohn, Self-balanced learning for domain generalization, IEEE International Conference on Image Processing (ICIP) (2021).
12. Jungin Park, Jiyoung Lee, and Kwanghoon Sohn, Bridge to answer: Structure-aware graph interaction network for video question answering, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2021).
13. Minsu Kim, Sunghun Joung, Seungryong Kim, Jungin Park, Ig-Jae Kim, and Kwanghoon Sohn, Cross-domain grouping and alignment for domain adaptive semantic segmentation, AAAI Conference on Artificial Intelligence (AAAI) (2020).
14. Jungin Park\*, Jiyoung Lee\*, Ig-Jae Kim, and Kwanghoon Sohn, Sumgraph: Video summarization via recursive graph modeling, European Conference on Computer Vision (ECCV) (2020).
15. Jiyoung Lee, Seungryong Kim, Sunok Kim, Jungin Park, and Kwanghoon Sohn, Context-aware emotion recognition networks, IEEE/CVF International Conference on Computer Vision (ICCV) (2019).
16. Jungin Park, Jiyoung Lee, Sangryul Jeon, Seungryong Kim, and Kwanghoon Sohn, Video summarization by learning relationships between action and scene, IEEE/CVF International

- Conference on Computer Vision Workshop (ICCVW), 3rd Place in Challenge (2019).
17. Jungin Park, Jiyoung Lee, Sangryul Jeon, Seungryong Kim, and Kwanghoon Sohn, Graph regularization network with semantic affinity for weakly-supervised temporal action localization, IEEE International Conference on Image Processing (ICIP), Oral Presentation (2019).
  18. Jungin Park, Sangryul Jeon, Seungryong Kim, Jiyoung Lee, Sunok Kim, and Kwanghoon Sohn, Learning to detect, associate, and recognize human actions and surrounding scenes in untrimmed videos, ACM Multimedia Workshop (ACMMM) (2018).

### Preprint

1. Jungin Park, Jiyoung Lee, and Kwanghoon Sohn, Language-guided recursive spatiotemporal graph modeling for video summarization, International Journal of Computer Vision (IJCV, Under Review) (2024).
2. Tuan N. Tang, Jungin Park, Kwonyoung Kim, and Kwanghoon Sohn, Simon: A simple framework for online temporal action localization, arXiv preprint arXiv:2211.04905 (2022).

### Benchmark

1. Jiyoung Lee, Seungryong Kim, Sunok Kim, Jungin Park, and Kwanghoon Sohn, Context-aware emotion recognition benchmark, <https://caer-dataset.github.io/> (2019).
2. Digital Image Media Laboratory at Yonsei University and Computer Vision Laboratory at Ewha Womans University, Diml/cvl rgb-d dataset: 2m rgb-d images of natural indoor and outdoor scenes, <https://dimlrgb-d.github.io/> (2018).

### (e) HONORS & AWARDS

2023	Academic Research Fellowship	Yonsei University
2019	Outstanding 100 National Research Projects · Research assistant	Ministry of Science and ICT, Korea
2019	CoVieW 2019 ICCV Challenge · 3rd award	ICCV 2019 Workshop
2019	Workshop on Frontiers of Electrical Engineering · 2nd award	Yonsei University

## (f) TALKS

2024	Invited Talk	LIG Nex1
2023	Spotlight presentation · Korea AI Summit	Ministry of Science and ICT, Korea
2023	Poster presentation · Korean Conference on Computer Vision (KCCV)	Korea Computer Vision Society
2023	Doctoral colloquium · Korean Conference on Computer Vision (KCCV)	Korea Computer Vision Society
2022	Poster presentation · Korean Conference on Computer Vision (KCCV)	Korea Computer Vision Society
2022	AI tech talk · Naver CLOVA	Naver Corporation
2021	AI author meetup · Naver AI Lab	Naver Corporation
2021	Online presentation · Korean Conference on Computer Vision (KCCV)	Korea Computer Vision Society

## (g) PROJECTS

1. Development of Multimodal-based General-purpose Artificial Social Intelligence, Yonsei University – Yonsei Signature Research Cluster, 2022-2024
  - Developed algorithms for multi-modal representation learning with foundation models
2. Development of Multi-modal Data Fusion and Artificial Social Intelligence for Comprehensive Scene Understanding and Prediction, Ministry of Science – Mid-level Research, 2021-2024
  - Developed artificial social intelligence based on scene recognition and reasoning for future prediction
3. To Create AI Systems that Act Appropriately and Effectively in Novel Situations that Occur in Open Worlds, Institute of Information&Communication Technology, 2020-2022
  - Developed algorithms for autonomous delivery robots that can perform computer vision tasks in real-world environments
  - Developed algorithms for domain generalization and online stereo adaptation using meta-learning
4. Fundamental Research of Vision Algorithms for Comprehensive and Thorough Video Understanding, Ministry of Science, ICT, and Future Planning, 2018-2020
  - Developed algorithms for scene understanding and reasoning from real-world videos

## (h) PATENT

1. Jungin Park and Kwanghoon Sohn, Video Question Answering Apparatus and Method based on Graph Interaction, Jan. 2021
  - Korea Patent, 10-2022-0011919
2. Jungin Park and Kwanghoon Sohn, Video Summarization Apparatus and Method through Recursive Graph Modeling, Dec. 2020
  - Korea Patent, 10-2198480. PCT/KR2020/010755
3. Jungin Park and Kwanghoon Sohn, Video Action Recognition and Localization Apparatus and Method, Oct. 2020

- Korea Patent, 10-2174658, PCT/KR2019/004798

**(i) SYNERGISTIC ACTIVITIES**

1. Reviewer

- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2022, 2023, 2024, 2025
- IEEE/CVF International Conference on Computer Vision (ICCV) 2023, 2025
- International Conference on Learning Representations (ICLR) 2025
- European Conference on Computer Vision (ECCV) 2024
- AAAI Conference on Artificial Intelligence (AAAI) 2022
- IEEE/CVF Winter Conference on Applications of Computer Vision (WACV) 2022
- The British Machine Vision Conference (BMVC) 2020
- ACM Multimedia (ACMMM) 2025

**(j) TEACHING**

1. Teaching Assistant, Yonsei University, Dept. of Electrical and Electronic Engineering, 2018-2021
  - Electrical and electronic engineering experiments: fundamentals, Digital signal processing
  - Digital signal processing
  - Deep learning experiments