SANGHO LEE

1 Gwanak-ro, Gwanak-gu Seoul 151-744 South Korea 302 Building 319

(+82) 02-880-7289 | sangho.lee@vision.snu.ac.kr | Homepage: https://sangho-vision.github.io/

EDUCATION

Seoul National University　　　　　　　　　　　　　　　　　*Mar. 2017 - Present*
Ph.D Student　　　　　　　　　　　　　　　　　　　　　　Overall GPA: 4.27 / 4.3
Department of Computer Science and Engineering
Advisor: Prof. Gunhee Kim

Seoul National University　　　　　　　　　　　　　　　　*Mar. 2010 - Feb. 2017*
Bachelor of Science　　　　　　　　　　　　　　　　　　　Overall GPA: 4.04 / 4.3
Department of Computer Science and Engineering
Minor in Statistics

RESEARCH INTERESTS

Computer Vision, Machine Learning
Focus on high-level video understanding and reasoning by exploring the spatio-temporal representations
and semantics of target videos

PUBLICATIONS

ACAV100M: Automatic Curation of Large-Scale Datasets for Audio-Visual Video Representation Learning
Sangho Lee*, Jiwan Chung*, Youngjae Yu, Gunhee Kim, Thomas Breuel, Gal Chechik, and Yale Song (*: equal contribution)
International Conference on Computer Vision 2021 (ICCV 2021)
CVPR 2021: The Third Workshop on Learning from Unlabeled Videos

Unsupervised Representation Learning via Neural Activation Coding
Yookoon Park, **Sangho Lee**, Gunhee Kim, and David Blei
The Thirty-eighth International Conference on Machine Learning (ICML 2021)

Parameter Efficient Multimodal Transformers for Video Representation Learning
Sangho Lee, Youngjae Yu, Gunhee Kim, Thomas Breuel, Jan Kautz, and Yale Song
The Ninth International Conference on Learning Representations (ICLR 2021)
CVPR 2021: The Second Intertional Workshop on Large Scale Holistic Video Understanding

Self-Supervised Learning of Compressed Video Representations
Youngjae Yu*, **Sangho Lee***, Gunhee Kim, and Yale Song (*: equal contribution)
The Ninth International Conference on Learning Representations (ICLR 2021)

A Memory Network Approach for Story-based Temporal Summarization of 360° Videos
Sangho Lee, Jinyoung Sung, Youngjae Yu, and Gunhee Kim
Conference on Computer Vision and Pattern Recognition 2018 (CVPR 2018)
ECCV 2018 Workshop on 360° Perception and Interaction

A Deep Ranking Model for Spatio-temporal Highlight Detection from a 360° Video
Youngjae Yu, **Sangho Lee**, Joonil Na, Jaeyoun Kang, and Gunhee Kim
The Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)

A Read-Write Memory Network for Movie Story Understanding
Seil Na, **Sangho Lee**, Jisung Kim, and Gunhee Kim

International Conference on Computer Vision 2017 (ICCV 2017)
ICCV 2017: The Joint Video and Language Understanding Workshop

Encoding Video and Label Priors for Multi-label Video Classification on YouTube-8M dataset
Seil Na, Youngjae Yu, **Sangho Lee**, Jisung Kim, and Gunhee Kim
CVPR 2017 Workshop on YouTube-8M Large-Scale Video Understanding

AWARDS

Ranked 2nd place in the MovieQA challenge at ICCV 2017: The Joint Video and Language Understanding Workshop

Ranked 8th place out of 655 teams (Top 2%) in the Google Cloud & YouTube-8M Video Understanding Challenge 2017

ACADEMIC EXPERIENCE

Graduate Teaching Assistant at SNU
Knowledge Representation and Reasoning (M1522.001300)   Fall 2018
Probabilistic Graphical Models (M1522.001300)   Fall 2017
Discrete Mathematics (4190.101)   Spring 2017