

# SANGHO LEE

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## EDUCATION

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### Seoul National University

Ph.D Student

Department of Computer Science and Engineering

Advisor: Prof. Gunhee Kim

*Mar. 2017 - Present*

Overall GPA: 4.27 / 4.3

### Seoul National University

Bachelor of Science

Department of Computer Science and Engineering

Minor in Statistics

*Mar. 2010 - Feb. 2017*

Overall GPA: 4.04 / 4.3

## RESEARCH INTERESTS

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Computer Vision, Machine Learning

Focus on high-level video understanding and reasoning by exploring the spatio-temporal representations and semantics of target videos

## PUBLICATIONS

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### 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)

### 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

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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**

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