## Youngjae Yu

https://yj-yu.github.io/home/

Research Interest \_\_\_\_\_

· Computer Vision, Vision and Language, Audio-Visual Learning, Transfer Learning, Mixed Reality

Education \_\_\_\_\_

### Seoul National University (SNU)

Seoul, Korea

INTEGRATED MS / Ph.D PROGRAM IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2015 - Feb. 2021 (Expected)

Email: yj.yu@vision.snu.ac.kr

Mobile: +82-10-4096-1942

• Vision and Learning Lab (Advisor: Gunhee Kim)

### Seoul National University (SNU)

Seoul, Korea

2017

**B.S. IN COMPUTER SCIENCE AND ENGINEERING** 

Mar. 2009 - 2015

• 2010 – 2012, Compulsory Military Service. Served as a sergeant in R.O.K Marine Corp.

## Publications \_\_\_\_\_

#### INTERNATIONAL CONFERENCE

2020	Youngjae Yu, Jongseok Kim, Heeseung Yun, Jiwan Chung and Gunhee Kim, <i>Character</i>	ECCV 2020
2020	Grounding and Re-Identification in Story of Videos and Text Descriptions	(Spotlight)
2018	Youngjae Yu, Jongseok Kim and Gunhee Kim, A Joint Sequence Fusion Model for Video	ECCV 2018
	Question Answering and Retrieval	ECCV 2010
	Sangho Lee, Jinyoung Sung, <b>Youngjae Yu</b> and Gunhee Kim, <i>A Memory Network Approach</i>	CVDD 2010
	for Story-based Temporal Summarization of 360° Videos	CVPR 2018
	Youngjae Yu, Sangho Lee, Joonil Na, Jaeyun Kang, Gunhee Kim, A Deep Ranking Model for	44412010
	Spatio-Temporal Highlight Detection from a 360° Video	AAAI 2018
2017	Youngjae Yu, Jongwook Choi, Yeonhwa Kim, Kyoung Yu, Sang-hun Lee, Gunhee Kim,	CVDD 2017
2017	Supervising Neural Attention Models for Video Captioning by Human Gaze Data	CVPR 2017
	Youngjae Yu, Hyungjin Ko, Jongwook Choi, Gunhee Kim, End-to-end Concept Word	CVPR 2017
	Detection for Video Captioning, Retrieval, and Question Answering	(Spotlight)
	Yunseok Jang, Yale Song, <b>Youngjae Yu</b> , Youngjin Kim, Gunhee Kim, <i>TGIF-QA: Toward</i>	CVPR 2017
	Spatio-Temporal Reasoning in Visual Question Answering	(Spotlight)
	Inuk Jung, Kyuri Jo, Hyejin Kang, Hongryul Ahn, <b>Youngjae Yu</b> , Sun Kim, <i>TimesVector: A</i>	
2016	Vectorized Clustering Approach to the Analysis of Time Series Transcriptome Data from	GIW 2016
	Multiple Phenotypes	
Journal		
2019	Yunseok Jang, Yale Song, Chris Dongjoo Kim, <b>Youngjae Yu</b> , Youngjin Kim, Gunhee Kim,	IJCV 2019
	Video Question Answering with Spatio-Temporal Reasoning	IJCV 2019
	Inuk Jung, Kyuri Jo, Hyejin Kang, Hongryul Ahn, <b>Youngjae Yu</b> , Sun Kim, <i>TimesVector: A</i>	Diainformatics
2017	Vactorized Clustering Approach to the Analysis of Time Series Transcriptome Data from	Bioinformatics

### WORKSHOP PAPERS

Multiple Phenotypes

2017

Vectorized Clustering Approach to the Analysis of Time Series Transcriptome Data from

2020	Jongseok Kim *, <b>Youngjae Yu</b> *, Seunghwan Lee, Gunhee Kim, (* is equal contribution.), <i>Cycled Compositional Learning between Images and Text</i>	CVPR 2020 CVFAD		
	Hankyol Lee, <b>Youngjae Yu</b> , Gunhee Kim, <i>Augmenting Data for Sarcasm Detection with Unlabeled Conversation Context</i>	In ACL 2020, FLP		
2019	<b>Youngjae Yu</b> , Seunghwan Lee, Yuncheol Choi, Gunhee Kim, <i>CurlingNet: Compositional Learning between Images and Text for Fashion IQ Data</i>	ICCV 2019 CVFAD		
2017	Seil Na, <b>Youngjae Yu</b> , Sangho Lee, Jisung Kim, Gunhee Kim, <i>Encoding Video and Label</i>	CVPR 2017 &		
	Priors for Multi-label Video Classification on YouTube-8M dataset	YouTube-8M		
2016	<b>Youngjae Yu</b> , Hyungjin Ko, Jongwook Choi, Gunhee Kim, <i>Video Captioning and Retrieval Models with Semantic Attention</i>	ECCV 2016 LSMDC & VisStory		
THESIS				
2015	<b>Youngjae Yu</b> , Sun Kim, <i>Correlation Based Feature Selection and Pattern Clustering Method</i> for Time Series Gene Expression Data of Drought Stressed Rice	B.S. Thesis		
Professional Experience				

2018-2020	Software Engineer, Research Scientist, RippleAl
2015-2018	Graduate Teaching Assistant, Seoul National University
2018	Research Intern, Redmond, Microsoft
2017	NAVER PhD Fellowship, Naver
2018	Lecture Instructor, Samsung DS Artificial Intelligence course: NLP and Vision
2012-2014	Undergraduate Research Assistant, Seoul National University

## Honors & Awards \_\_\_\_\_

2020 2020	130K \$ investment, Leader of RippleAI Team, AI Challenge-NIPA 1st prize, DramaQA Challenge	Seoul, Korea ECCV 2020
2020	1st prize, Fashion IQ 2020 Challenge	CVPR 2020
2020	<b>1st prize</b> , Sarcasm detection shared task - The Second Workshop on Figurative Language Processing	ACL 2020
2019	2nd prize, Fashion IQ 2019 Challenge	ICCV 2019
2019	1st prize, Large Scale Movie Description and Understanding Challenge (LSMDC 2019)	ICCV 2019 CLVL
2017	Fellowship, NAVER PhD Fellowship award	NAVER
2018	Google Travel Grants, Grant recipient for attending ECCV 2018 (Munich, Germany)	Google
2018	Kakao Travel Grants, Grant recipient for attending ICLR 2018 (Vancouver, Canada)	Kakao
2017	1st prize, Movie Annotation and Retrieval track, Movie Fill-in-the-Blank track - Large Scale	ICCV 2017 LSMDC
	Movie Description and Understanding Challenge (LSMDC 2017)	& MovieQA
2016	1st prize, Movie Annotation and Retrieval track, Movie Fill-in-the-Blank track - Large Scale	ECCV 2016 LSMDC
	Movie Description and Understanding Challenge (LSMDC 2016)	& VisStory

# Professional Development \_\_\_\_\_

### **Academic Activities**

### REVIEWER

- Conference, Journal (CVPR, ECCV, ICCV, ACCV, AAAI, ICMI, MM)
- Workshop Reviewer (LUV (2019))

### **Other Skills**

### PROGRAMMING

- Programming Languages. Python, R, C/C++, Java, Shell scripts (bash, zsh), Matlab, Ocaml
  ML/DL Frameworks. TensorFlow, PyTorch, Caffe
  Operating Systems. Linux (Ubuntu), macOS, Windows
  Other Tools and Skills. Git, Latex, Vim

## Teaching Experience \_\_\_\_\_

2019	Mentoring, Multimodal Learning for Videos	RippleAl
2018	Teaching Assistant, Samsung DS <sup>2</sup> Artificial Intelligence course: NLP and Vision	SNU
2017	Workshop Instructor, Resource development: Theory and Application of Deep Learning	SNU
2017	Lecture Instructor, Seoul Big Data Academy: Tensorflow basic, CNN, RNN	SNU
2017	Lecture Instructor, SKT Academy: Tensorflow basic, Introduction to CNN,RNN	SNU
2017	Teaching Assistant, Big Data Academy: Introduction to RNN	SNU
2016	Teaching Assistant, 4190.773: Probabilistic Graphical Model	SNU
2015	Teaching Assistant, 4190.307 : Operating System	SNU
2015	Teaching Assistant, M1522.001000: Computer Vision	SNU