

Jongseok Kim

(In Korean: 김종석)

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Research Interests

Vision & Language, Video Understanding, Interactive Image Retrieval

Education

Mar 19-Feb 21 **Seoul National University (SNU)**, Seoul, Korea.

- M.S. student in Computer Science and Engineering
- Advisor: Prof. Gunhee Kim (Vision and Learning Laboratory)

Mar 12-Feb 18 **Seoul National University (SNU)**, Seoul, Korea.

- College of Liberal Studies
- B.S. in Computer Science, B.Soc.Sc. in Information Science and Culture
- Aug 2014 – May 2016, Mandatory Military Service. Served as a sergeant in KATUSA

Mar 09-Feb 12 **Seoul Science High School**, Seoul, Korea.

Publications

International Conferences

- 2021 Hoesong Kim, **Jongseok Kim**, Hyungseok Lee, Hyunsung Park, Gunhee Kim, *Viewpoint-Agnostic Change Captioning with Cycle Consistency*, **ICCV 2021**.
- 2021 Youngjae Yu, Jiwan Chung, Heeseung Yun, **Jongseok Kim**, Gunhee Kim, *Transitional Adaptation of Pretrained Models for Visual Storytelling*, **CVPR 2021**.
- 2021 **Jongseok Kim**, Youngjae Yu, Hoesong Kim, Gunhee Kim, *Dual Composition Learning in Interactive Image Retrieval*, **AAAI 2021**.
- 2020 Youngjae Yu, **Jongseok Kim**, Heeseung Yun, Jiwan Chung, Gunhee Kim, *Character Grounding and Re-Identification in Story of Videos and Text Descriptions*, **ECCV 2020 spotlight**.
- 2018 Youngjae Yu, **Jongseok Kim**, Gunhee Kim, *A Joint Sequence Fusion Model for Video Question Answering and Retrieval*, **ECCV 2018**.

Workshop

- 2020 **Jongseok Kim***, Youngjae Yu*, Seunghwan Lee, Gunhee Kim, *Cycled Compositional Learning between Images and Text*, **CVPR 2020, Third Workshop on Computer Vision for Fashion, Art and Design**.
- 2018 Eun-Sol Kim, Kyoung-Woon On, **Jongseok Kim**, Yu-Jung Heo, Seong-Ho Choi, Hyun-Dong Lee, Byoung-Tak Zhang, *Temporal Attention Mechanism with Conditional Inference for Large-Scale Multi-Label Video Classification*, **ECCV 2018, Second Workshop on Youtube-8M Large-Scale Video Understanding**.

Work and Research Experiences

- Mar 21-Current **Violet inc.**, *Research Scientist*, Seoul, Korea.
- Work on automated video magazine editing.
 - Including video classification, salient object detection, magazine layout recommendation and text generation.
- Mar 19-Feb 21 **Vision and Learning Lab**, *Graduate Researcher*, Seoul, Korea.
- Worked on video understanding, interactive image retrieval.
- Mar 18-Feb 19 **Kakao Brain**, *Research Intern*, Sungnam, Korea.
- Worked on text-to-speech algorithm, speaker adaptation and encoding.
 - Worked on web video classification, visual question answering.
- Jun 17-Feb 18 **Vision and Learning Lab**, *Undergraduate Researcher*, Seoul, Korea.
- Worked on movie video captioning, video retrieval algorithm.

Teaching Experience

- Feb 21-Feb 21 Teaching Assistant of LG Chem Artificial Intelligence course : Computer Vision
- Sep 20-Dec 20 Teaching Assistant of Theory and Lab of IoT, AI, and Big Data (M2177.004900_001)
- Mar 20-Jun 20 Teaching Assistant of Samsung DS² Artificial Intelligence course : AI, RL
- Sep 19-Dec 19 Teaching Assistant of Samsung DS² Artificial Intelligence course : AI, RL
- Mar 19-Jun 19 Teaching Assistant of Computer Vision (M1522.001000)
- Mar 19-Jun 19 Teaching Assistant of Theory and Lab of IoT, AI, and Big Data (M2177.004900_001)
- Mar 19-Jun 19 Teaching Assistant of Samsung DS² Artificial Intelligence course : AI, RL

Awards

- 2021 SNU CSE best thesis award
- 2020 1st prize, 2nd DramaQA Challenge 2020
- 2020 1st prize, Fashion-IQ Challenge 2020
- 2019 1st prize, Large Scale Movie Description and Understanding Challenge 2019
- 2019-2020 Hyundai Motor Chung Mong-Koo Foundation Scholarship
- 2018 5th prize (ITM), The 2nd YouTube-8M Video Understanding Challenge (Team KANU)
- 2018 73th place (Bronze, top 6%), Tensorflow Speech Recognition Challenge
- 2017 1st prize, Movie Fill-in-the-Blank track
Large Scale Movie Description and Understanding Challenge
- 2017 1st prize, Movie Annotation and Retrieval track
Large Scale Movie Description and Understanding Challenge
- 2016 38th place, ACM-ICPC Asia Daejeon Regional (Team 9664p)
- 2016 4th prize, The 5th TOPCIT(Test Of Practical Competency in ICT) Korea

Skills

Computer

Deep Learning Libraries: Pytorch, Tensorflow

Programming Languages: Python, Java, C/C++, Javascript