

# YONGIL KIM

SNU MILAB

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## Education

- 2019.03– **Seoul National University.**
- **Ph.D. Candidate** *Dept. of Electrical and Computer Engineering*
- 2013.03– **Seoul National University.**
- **B.S** *Dept. of Electrical and Computer Engineering*

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## Research Interest

- Dialogue and Interactive System
- Multimodal(Vision & Language) Learning

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## Publications

### International Conference & Journal.

- Yerin Hwang\*, **Yongil Kim\***, Hyunkyung Bae, Hwanhee Lee, Jeesoo Bang and Kyomin Jung, *Dialogizer: Context-aware Conversational-QA Dataset Generation from Textual Sources*, The 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP**), Dec 2023.
- **Yongil Kim**, Yerin Hwang, Hyeongu Yun, Seunghyun Yoon, Trung bui and Kyomin Jung, *PR-MCS: Perturbation Robust Metric for MultiLingual Image Captioning*, Findings of the Association for Computational Linguistics: EMNLP 2023 (**Findings of EMNLP**), Dec 2023.
- **Yongil Kim\***, Yerin Hwang\*, Joongbo Shin, Hyunkyung Bae and Kyomin Jung, *Injecting Comparison Skills in Task-Oriented Dialogue Systems for Database Search Results Disambiguation*, Findings of the Association for Computational Linguistics: ACL 2023 (**Findings of ACL**), Jul 2023, Toronto, Canada.
- **Yongil Kim**, Yerin Hwang, Seunghyun Yoon, Hyeongu Yun and Kyomin Jung, *Improving cross-modal attention via object detection*, Workshops on Conference on Neural Information Processing Systems(**NeurIPS**), Dec 2022, New Orleans, NA.

- **(Oral Presentation)** Hyeongu Yun\*, **Yongil Kim\***, and Kyomin Jung, *Modality Alignment between Deep Representations for Effective Video-and-Language Learning*, International Conference on Language Resources and Evaluation (**LREC**), Jun 2022, Marseille, France.
- Hyeongu Yun, **Yongil Kim**, Taegwan Kang, and Kyomin Jung, *Pairwise Context Similarity for Image Retrieval System using Variational Auto-Encoder*, **IEEE Access**, Feb 2021.

#### Domestic Conference & Journal.

- **(Oral Presentation)** **Yongil Kim**, Yerin Hwang, Yoonhyung Chae, Seunghyun Yoon and Kyomin Jung, *KLIPScore: A Highly Human-Correlated Korean Image Captioning Metric*, **KCC**, Jun 2023.
- Yerin Hwang, **Yongil Kim**, Yoonhyung Chae and Kyomin Jung, *Thinking Fast and Slow in Multimodal Emotion Recognition Task*, **KCC**, Jun 2023.
- **Yongil Kim**, Hyeongu Yun, Yerin Hwang, and Kyomin Jung, *Improving cross-modal attention via object detection*, **KCC**, Jun 2022.
- Yerin Hwang, **Yongil Kim**, and Kyomin Jung, *COVID-19 Severity Prediction using Deep Transfer Learning*, **KCC**, Jun 2022.
- **(Best Paper Awards)** **Yongil Kim**, Hyeongu Yun, Seungpil Won, and Kyomin Jung, *Improving Video-QA system through Modality Alignment*, **KCC**, Jun 2021.

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## Research Experiences

- 2018.08 **Samsung Electronics**, *Internship*.  
◦ **Cloud Computing System**
- 2021.11- **Adobe Research**, *Collaborative Researcher*.  
◦ **Multimodal Learning**  
◦ Remote Working with Dr. Seunghyun Yoon, Dr. Trung Bui

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## Academic Activities

### Invited Talks.

- 2023.08 **LG AI Research**.  
◦ Injecting Comparison Skills in Task-Oriented Dialogue Systems for Database Search Results Disambiguation
- 2023.05 **SNU AI Retreat**.  
◦ Injecting Comparison Skills in Task-Oriented Dialogue Systems for Database Search Results Disambiguation

### Reviewers.

- ACL 2023, COLING 2022

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## Teaching Experiences

- Fall 2023 **Teaching Assistant**, *Introduction and Practice of IoT, Artificial Intelligence, and Big Data*, Seoul National University.
- Fall 2022 **Teaching Assistant**, *Introduction and Practice of IoT, Artificial Intelligence, and Big Data*, Seoul National University.
- Spring 2022 **Teaching Assistant**, *Introduction and Practice of IoT, Artificial Intelligence, and Big Data*, Seoul National University.
- Fall 2021 **Teaching Assistant**, *Introduction and Practice of IoT, Artificial Intelligence, and Big Data*, Seoul National University.
- Spring 2021 **Teaching Assistant**, *Introduction and Practice of IoT, Artificial Intelligence, and Big Data*, Seoul National University.
- Fall 2020 **Teaching Assistant**, *Topics in Computer and VLSI system(Machine Learning)*, Department of Electric and Computer Engineerin, Seoul National University.
- Spring 2020 **Teaching Assistant**, *Programming Methodologies*, Department of Electric and Computer Engineering, Seoul National University.
- Spring 2019 **Teaching Assistant**, *Programming Methodologies*, Department of Electric and Computer Engineering, Seoul National University.