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*

Research Interest

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

Publications

International Conference & Journal.

○ Yerin Hwang, <u>**Yongil Kim**</u>, Yunah Jang, Jeesoo Bang, Hyunkyung Bae and Kyomin Jung, *MP2D: An Automated Topic Shift Dialogue Generation Framework Leveraging Knowledge Graphs* , ArXiv : 2403.05814 `https://arxiv.org/abs/2403.05814`

○ Yerin Hwang, <u>**Yongil Kim**</u>, Hyunkyung Bae, Jeesoo Bang, Hwanhee Lee and Kyomin Jung, *Kosmic: Korean Text Similarity Metric Reflecting Honorific Distinctions*, The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (**LREC-COLING**), May 2024, Turin, Italy.

○ <u>**Yongil Kim**</u>, 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, Singapore, Singapore.

○ Yerin Hwang*, <u>**Yongil Kim***</u>, 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, Singapore, Singapore.

- **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.

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

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

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.