DONGRYEOL LEE

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EDUCATION

Seoul National University, Seoul   *September 2021 - Present*
PhD. Candidate, Electrical and Computer Engineering
- Machine Intelligence Laboratory (Advisor: Kyomin Jung)

Seoul National University, Seoul   *March 2014 - August 2021*
Bachelor of Naval Architecture and Ocean Engineering   Cum Laude
Minor in Electrical and Computer Engineering

Changwon Science High School, Changwon   *March 2012 - February 2014*
Specialized high school for students talented in math and science

RESEARCH INTEREST

Reliability of Question Answering Systems [C1], [C6], [W3], [D2]

Fair Evaluation Systems [C1], [C5], [D1]

Hallucination in Multimodal Models [C3], [C4], [W1]

Reasoning Ability of Large Language Models [C2], [W2], [D3]

PUBLICATIONS

* Equal contribution. † Corresponding author.

INTERNATIONAL CONFERENCE

[C1] **Dongryeol Lee***, Yerin Hwang*, Yongil Kim, Joonsuk Park†, and Kyomin Jung†, "Are LLM-Judges Robust to Expressions of Uncertainty? Investigating the effect of Epistemic Markers on LLM-based Evaluation", **NAACL** (Oral), 2024.

[C2] Kang-il Lee, Hyukhun Koh, **Dongryeol Lee**, Seunghyun Yoon, Minsung Kim, and Kyomin Jung†, "Generating Diverse Hypotheses for Inductive Reasoning", **NAACL** (Oral), 2024.

[C3] Kang-il Lee, Minbeom Kim, Seunghyun Yoon, Minsung Kim, **Dongryeol Lee**, Hyukhun Koh, and Kyomin Jung†, "VLind-Bench: Measuring Language Priors in Large Vision-Language Models", **NAACL** (Findings), 2024.

[C4] Kyungmin Min, Minbeom Kim, Kang-il Lee, **Dongryeol Lee**, and Kyomin Jung†, "Mitigating Hallucinations in Large Vision-Language Models via Summary-Guided Decoding", **NAACL** (Findings), 2024.

[C5] **Dongryeol Lee**, Minwoo Lee, Kyungmin Min, Joonsuk Park†, and Kyomin Jung†, "Return of EM: Entity-driven Answer Set Expansion for QA Evaluation", **COLING** (Oral), 2025.

[C6] **Dongryeol Lee***, Segwang Kim*, Minwoo Lee, Hwanhee Lee, Joonsuk Park, Sang-Woo Lee, and Kyomin Jung†, "Asking Clarification Questions to Handle Ambiguity in Open-Domain QA", **EMNLP** (Findings), 2023.

WORKSHOP

[W1] Kyungmin Min, Minbeom Kim, Kang-il Lee, **Dongryeol Lee**, and Kyomin Jung[†], "Mitigating Hallucinations in Large Vision-Language Models via Summary-Guided Decoding", In Proceedings of the 1st Workshop on **Safe Generative AI**, 2024.

[W2] Yoonsang Lee[*], **Dongryeol Lee**[*], and Kyomin Jung[†], "MILAB at PragTag-2023 Enhancing Cross-Domain Generalization through Data Augmentation with Reduced Uncertainty", In Proceedings of the 10th **Workshop on Argument Mining**, 2023.

[W3] Yunah Jang, **Dongryeol Lee**, Hyung Joo Park, Taegwan Kang, Hwanhee Lee, Hyunkyung Bae, and Kyomin Jung[†], "Improving Multiple Documents Grounded Goal-Oriented Dialog Systems via Diverse Knowledge Enhanced Pretrained Language Model", In Proceedings of the Second **DialDoc Workshop on Document-grounded Dialogue and Conversational Question Answering**, 2022.

DOMESTIC CONFERENCE & JOURNAL

[D1] **Dongryeol Lee**, Kyungmin Min, Yerin Hwang, Joonsuk Park, and Kyomin Jung[†], "Reference-Centric QA Evaluation Leveraging Contrastive Decoding", **KSC**, 2024.

[D2] Yerin Hwang, **Dongryeol Lee**, Yongil Kim, and Kyomin Jung[†], "TSDG: A Framework for Generating Natural Topic-Shift Dialogue Data", **KSC**, 2024.

[D3] Yerin Hwang, Yongil Kim, **Dongryeol Lee**, Taegwan Kang, Hyunkyung Bae, and Kyomin Jung[†], "Error-Correction Chain of Thought (ECO CoT): Enhancing Accuracy in Mathematical Reasoning through Error-Correction Framework", **KSC**, 2024.

ACADEMIC SERVICES

Reviewer of **ACL 2023, ARR 2024**

TECHNICAL STRENGTHS

Software & Tools   Python, Pytorch

MILITARY SERVICE

Republic of Korea Marine Corps   *November 2015 - August 2017*