

SUHYUNE SON

Ph.D. Candidate, NLP & AI Lab., Korea University

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Hello, I am a Ph.D student in NLP&AI Lab. at Korea University, advised by Prof. Heuseok Lim.

I am studying natural language processing with a particular focus on empathetic LLMs, dialogue system, cross-lingual transfer learning, and information extraction.

EDUCATION

Korea University

Ph.D candidate in Computer Science

2021.09 - Present

Ewha Womans University

B.S Degree Graduate in Department of Computer Science and Engineering

2017.03 - 2021.08

PUBLICATIONS

International Conference

Post-hoc Utterance Refining Method by Entity Mining for Faithful Knowledge Grounded Conversations

[The 2023 Conference on Empirical Methods in Natural Language Processing \(EMNLP 2023\)](#)

Yoonna Jang*, **Suhyune Son***, Jeongwoo Lee*, Junyoung Son, Yuna Hur, Jungwoo Lim, Hyeonseok Moon, Kisu Yang, Heuseok Lim

Call for Customized Conversation: Customized Conversation Grounding Persona and Knowledge

[The 36th AAAI Conference on Artificial Intelligence \(AAAI 2022\)](#)

Yoonna Jang*, Jungwoo Lim*, Yuna Hur*, Dongsuk Oh, **Suhyune Son**, Yeonsoo Lee, Donghoon Shin, Seungryong Kim, Heuseok Lim

International Journal

An analysis on language transfer of pre-trained language model with cross-lingual post-training

[Expert Systems with Applications \(ESWA\), 2025](#)

Suhyune Son*, Chanjun Park*, Jungseob Lee*, Midan Shim*, Chanhee Lee, Yoonna Jang, Jaehyung Seo, Jungwoo Lim, Heuseok Lim

A large-scale dataset for Korean document-level relation extraction from encyclopedia texts

[Applied Intelligence, 2024](#)

Suhyune Son, Jungwoo Lim, Seonmin Koo, Jinsung Kim, Younghoon Kim, Youngsik Lim, Dongseok Hyun, Heuseok Lim

Analysis of the Effectiveness of Model, Data, and User-Centric Approaches for Chat Application: A Case Study of BlenderBot 2.0

[Applied Sciences, 2024](#)

Chanjun Park, Jungseob Lee*, Suhyune Son*, Kinam Park, Jungsun Jang, Heuseok Lim*

Intent classification and slot filling model for in-vehicle services in Korean

[Applied Sciences, 2022](#)

Jungwoo Lim, Suhyune Son*, Songeun Lee, Changwoo Chun, Sungsoo Park, Yuna Hur, Heuseok Lim*

K-EPIC: Entity-perceived context representation in Korean relation extraction

[Applied Sciences, 2021](#)

Yuna Hur, Suhyune Son*, Midan Shim*, Jungwoo Lim*, Heuseok Lim*

A sequential and intensive weighted language modeling scheme for multi-task learning-based natural language understanding

[Applied Sciences, 2021](#)

Suhyune Son, Seonjeong Hwang, Sohyeun Bae, Soo Jun Park, Jang-Hwan Choi

Domestic Conference

Enhancing Empathetic Response Generation in Large Language Models based on Emotional Validation Theory

[The 36rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2024\)](#)

Suhyune Son, Jungwoo Lim, Myunghoon Kang, Seongtae Hong, Yuna Hur, Aram So, Heuseok Lim

Enhancing Open-Ended Knowledge Tracing with Prefix-Tuning

[The 35rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2023\)](#)

Suhyune Son, Myunghoon Kang, Aram So, Heuseok Lim

Data Augmentation for Generating Counter Narratives against Hate Speech

[The 34rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2022\)](#)

Seungyoon Lee, Suhyune Son, Dahyun Jung, Chanjun Park, Aram So, Heuseok Lim

Korean language model construction and comparative analysis with Cross-lingual Post-Training (XPT)

[The 34rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2022\)](#)

Suhyune Son, Chanjun Park, Jungseob Lee, Midan Shim, Sunghyun Lee, JinWoo Lee, Aram So, Heuseok Lim

Analysis on Question Understanding of Language Models using Clever Hans Tests

[The 33rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2021\)](#)

*Jungwoo Lim, Dongsuk Oh, Sungjin Park, Taesun Whang, Midan Shim, **Suhyune Son**, Yujin Kim, Heuseok Lim*

Directional Predictive Analysis of Pre-trained Language Models in Relation Extraction

[The 33rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2021\)](#)

*Yuna Hur, Dongsuk Oh, Myunghoon Kang, **Suhyune Son**, Aram So, Heuseok Lim*

A Comparative Study on Korean Relation Extraction with entity position information

[The 33rd Annual Conference on Human & Cognitive Language Technology \(HCLT 2021\)](#)

***Suhyune Son**, Yuna Hur, Jungwoo Lim, Midan Shim, Chanjun Park, Heuseok Lim*

Domestic Journal

Korean and Multilingual Language Models Study for Cross-Lingual Post-Training (XPT)

[Journal of the Korea Convergence Society, 2022](#)

***Suhyune Son**, Chanjun Park, Jungseob Lee, Midan Shim, Chanhee Lee, Kinam Park, Heuseok Lim*

Empirical study on BlenderBot 2.0's errors analysis in terms of model, data and dialogue

[Journal of the Korea Convergence Society, 2021](#)

*Jungseob Lee, **Suhyune Son**, Midan Shim, Yujin Kim, Chanjun Park, Aram So, Jeongbae Park, Heuseok Lim*

PUBLICATIONS

Hyundai Motor Company (2024-2025)

- Developed a model for TableQA based on noisy multi-table data provided by Hyundai Motor Company.

Empathetic KULLM (2024-2025)

- Built a Korean Empathetic LLM by utilizing multilingual LLM and Korean instruction data.

Hyundai Mobis Company (2023-2024)

- Built a model for automatic generation of PLC code with LLMs.

Naver Corporation (2022-2023)

- Built the first Korean document-level relation extraction dataset from the Naver Corp's Encyclopedia documents.

Samsung Research (2022)

- Built a model for design analytics with review data from social media.

NCSOFT (2021-2023)

- Collected dataset (FoCus) and made a model for customized conversation.

Hyundai Motor Company (2021-2022)

- Developed a model that captures the intention of the utterance and fills the slot value into the corresponding slots with the data from Hyundai Motor Company.

Awards and Honors

Program committee of The 1st Workshop on Customized Chat Grounding Persona and Knowledge
COLING 2022, [homepage](#)

2nd Award (Minister of Science and ICT Award) at ICT Challenge
2022