Yejin Yoon

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EDUCATION

Hanyang University   Seoul, South Korea
Ph.D. Candidate in Computer Science   *Aug 2024 – Present*

Hanyang University   Seoul, South Korea
M.S. in Artificial Intelligence   *Sep 2022 – Aug 2024*
- Thesis: Enhanced Multi-Intent Detection with Blended Datasets.

Sookmyung Women's University   Seoul, South Korea
B.A. in Economics & B.S. in Statistics   *Mar 2014 – Feb 2020*

RESEARCH INTERESTS

Dialogue systems, conversational AI, memory system, preference modeling, tool calling.

EXPERIENCE

KT   Seoul, South Korea
Researcher (Internship)   *Jul 2023 – Aug 2023*
- KT AI2XL Research Lab; Large AI application P-TF emotional dialogue system project.

Saltlux   Seoul, South Korea
Researcher (Full-time)   *Mar 2020 – Aug 2022*
- AI Labs advanced research team.

PUBLICATIONS

* Co-first author; † Corresponding author.

Under Review

Latent Preference Reasoning for Multi-Session Personalized Tool-Calling   2026
Yejin Yoon, Minseo Kim, Taeuk Kim†

International Conferences

Beyond Task-Oriented and Chitchat Dialogues: Proactive and Transition-   EMNLP 2025
Aware Conversational Agents
Yejin Yoon, Yuri Son, Namyoung So, Minseo Kim, Minsoo Cho, Chanhee Park, Seungshin   *Nov 2025*
Lee, Taeuk Kim†

BlendX: Complex Multi-Intent Detection with Blended Patterns   LREC-COLING 2024
Yejin Yoon, Jungyeon Lee, Kangsan Kim, Chanhee Park, Taeuk Kim†   *May 2024*

Domestic Conferences

Multi-Intent Detection for Korean Spoken Language (Outstanding Paper Award)   KCC 2024
Yejin Yoon*, Jisoo Kim*, Jungmin Lim, Jungyeon Lee, Taeuk Kim†   *Jun 2024*

A Multi-Intent Dataset Enhanced with Implicit Concatenation   KCC 2024
Sungmin So*, Minji Woo*, Yejin Yoon, Jungyeon Lee, Taeuk Kim†   *Jun 2024*

Enhanced Prompting for Multi-Label Classification   KCC 2024
Jungyeon Lee, Youngwoo Shin, Yejin Yoon, Taeuk Kim†   *Jun 2024*

KoLegal-BERT: Legal Language Representation Model for Legal Domain   KCC 2022
Text Mining
Sangmin Park*, Yejin Yoon*, Jaeyun Lee, Jaieun Kim†   *Jul 2022*

Patents

Method and Apparatus for Training Preference-Based Transition-Aware Conversational Models   KR 10-2025-0163766
Filed Nov 2025

Method and Apparatus for Generating and Validating Transition-Aware Dialogue Datasets   KR 10-2025-0163754
Filed Nov 2025

METHOD AND APPARATUS FOR GENERATING MULTI-INTENT UTTERANCE DATASETS   US 8/972132
Filed Dec 2024

用于生成多意据集的方法和置   CN 202411789815.2
Filed Dec 2024

Utterance Merging Technique Combining Rule-Based Methods and Generative AI for Multi-Intent Expansion   KR 10-2024-0072241
Filed Jun 2024

Dialogue Method Using Multiple Personas, Dialogue Apparatus, and Training Method for Persona Classification Models   KR 10-2024-0016697
Filed Feb 2024

Awards and Honors

Seoul Tech Scholarship   Seoul Scholarship Foundation
Nov 2025

Excellence Scholarship for Doctoral Students   Hanyang University
Sep 2024

KCC 2024 Outstanding Paper Award   Korean Institute of Information Scientists and Engineers
Jun 2024

Outstanding Achievement Award (Graduation Excellence)   Sookmyung Women's University
Feb 2020

Projects

Conversational Agents with Hyper Long-Term Memory   National Research Foundation of Korea
Project Lead   *Mar 2025 – Feb 2028*

Multi-Intent Modeling for Advanced Speech Recognition   Hyundai Motor Company
Project Lead   *Aug 2024 – Feb 2026*

Natural Language-Based Compound Intent Algorithms   Hyundai Motor Group (NGV)
Project Lead   *Apr 2023 – Apr 2024*

Talks

Practical Strategies for Overcoming the Limits of LLM Dialogue Capacity   SKT
Apr 2024

Skills

Languages: Python

ML / DL / NLP: PyTorch, Hugging Face (Transformers, Datasets), scikit-learn

LLM Systems & Serving: vLLM, PEFT/TRL, DPO, FastAPI, Gradio

Research Tools: Git, LaTeX

Language Proficiency

English: Working Proficiency

Korean: Native