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-Aware Conversational Agents	EMNLP 2025
Yejin Yoon, Yuri Son, Namyoung So, Minseo Kim, Minsoo Cho, Chanhee Park, Seungshin Lee, Taeuk Kim†	*Nov 2025*
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 Text Mining	KCC 2022
Sangmin Park*, Yejin Yoon*, Jaeyun Lee, Jaieun Kim†	*Jul 2022*

Patents

Method and Apparatus for Training Preference-Based Transition-Aware Conversational Models *Filed Nov 2025*	KR 10-2025-0163766
Method and Apparatus for Generating and Validating Transition-Aware Dialogue Datasets *Filed Nov 2025*	KR 10-2025-0163754
METHOD AND APPARATUS FOR GENERATING MULTI-INTENT UTTERANCE DATASETS *Filed Dec 2024*	US 8/972132
用于生成多意据集的方法和置 *Filed Dec 2024*	CN 202411789815.2
Utterance Merging Technique Combining Rule-Based Methods and Generative AI for Multi-Intent Expansion *Filed Jun 2024*	KR 10-2024-0072241
Dialogue Method Using Multiple Personas, Dialogue Apparatus, and Training Method for Persona Classification Models *Filed Feb 2024*	KR 10-2024-0016697

Awards and Honors

Seoul Tech Scholarship *Nov 2025*	Seoul Scholarship Foundation
Excellence Scholarship for Doctoral Students *Sep 2024*	Hanyang University
KCC 2024 Outstanding Paper Award *Jun 2024*	Korean Institute of Information Scientists and Engineers
Outstanding Achievement Award (Graduation Excellence) *Feb 2020*	Sookmyung Women's University

Projects

Conversational Agents with Hyper Long-Term Memory *Project Lead*	National Research Foundation of Korea *Mar 2025 – Feb 2028*
Multi-Intent Modeling for Advanced Speech Recognition *Project Lead*	Hyundai Motor Company *Aug 2024 – Feb 2026*
Natural Language-Based Compound Intent Algorithms *Project Lead*	Hyundai Motor Group (NGV) *Apr 2023 – Apr 2024*

Teaching

Teaching Assistant

Natural Language Processing *Instructor: Taeuk Kim*	Hanyang University *Sep 2023*

Guest Speaker

CS Graduate Program Info Session *Topic: Graduate school life and research advice*	Hanyang University *Fall 2025*
Graduate School of Artificial Intelligence Convergence Info Session *Topic: Industry-academia projects, dialogue systems*	Hanyang University *Mar 2024*
Natural Language Processing *Topic: Recent task-oriented dialogue (TOD) system research*	Hanyang University *Dec 2023*

Student Mentoring

CAPSTONE SOFTWARE PROJECT 2	Hanyang University *Mar 2024 − Aug 2024*
CAPSTONE SOFTWARE PROJECT 1	Hanyang University *Sep 2023 − Feb 2024*

ACADEMIC SERVICES

Reviewer

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

2026 − Present

TALKS

Invited Talks

Practical Strategies for Overcoming the Limits of LLM Dialogue Capacity	SKT
Seoul, South Korea	*Apr 2024*

Contributed Talks

BlendX: Complex Multi-Intent Detection with Blended Patterns	GITW 2023
Tokyo, Japan	*Dec 2023*

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