





Yejin Yoon

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EDUCATION

Hanyang University

Ph.D. Candidate in Computer Science

Seoul, South Korea
Aug 2024 – Present

Hanyang University

M.S. in Artificial Intelligence

Seoul, South Korea
Sep 2022 – Aug 2024

- Thesis: Enhanced Multi-Intent Detection with Blended Datasets.

Sookmyung Women's University

B.A. in Economics & B.S. in Statistics

Seoul, South Korea
Mar 2014 – Feb 2020

RESEARCH INTERESTS

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

EXPERIENCE

KT

Researcher (Internship)

Seoul, South Korea
Jul 2023 – Aug 2023

- KT AI2XL Research Lab; Large AI application P-TF emotional dialogue system project.

Saltlux

Researcher (Full-time)

Seoul, South Korea
Mar 2020 – Aug 2022

- AI Labs advanced research team.

PUBLICATIONS

* Co-first author; † Corresponding author.

Under Review

Latent Preference Modeling for Cross-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, Jiwoo Min*, 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 <i>Filed Nov 2025</i>	KR 10-2025-0163766
Method and Apparatus for Generating and Validating Transition-Aware Dialogue Datasets <i>Filed Nov 2025</i>	KR 10-2025-0163754
METHOD AND APPARATUS FOR GENERATING MULTI-INTENT UTTERANCE DATASETS <i>Filed Dec 2024</i>	US 8/972132
用于生成多意图话语数据集的方法和装置 <i>Filed Dec 2024</i>	CN 202411789815.2
Utterance Merging Technique Combining Rule-Based Methods and Generative AI for Multi-Intent Expansion <i>Filed Jun 2024</i>	KR 10-2024-0072241
Dialogue Method Using Multiple Personas, Dialogue Apparatus, and Training Method for Persona Classification Models <i>Filed Feb 2024</i>	KR 10-2024-0016697

AWARDS AND HONORS

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

PROJECTS

Conversational Agents with Hyper Long-Term Memory <i>Project Lead</i>	National Research Foundation of Korea <i>Mar 2025 – Feb 2028</i>
<ul style="list-style-type: none">Led research on hyper long-term memory for conversational agents, focusing on persistent preference tracking and multi-session personalization.Designed a preference-aware memory framework that links long-horizon user behavior to structured tool-calling decisions.Built end-to-end pipelines for long-context data construction, memory-grounded modeling, and evaluation under realistic multi-session settings.Developing robust methods for preference abstraction and retrieval to improve consistency, controllability, and practical deployment of proactive dialogue agents.	
Multi-Intent Modeling for Advanced Speech Recognition <i>Project Lead</i>	Hyundai Motor Company <i>Aug 2024 – Feb 2026</i>
<ul style="list-style-type: none">Led foundational research on transition-aware multi-intent conversational AI, resulting in an EMNLP 2025 main conference publication.Designed and developed a preference-aligned dialogue framework integrating dataset construction, hybrid LLM-based validation, and multi-intent reasoning.Owned the end-to-end research and development pipeline, from modeling and data infrastructure to deployment of an LLM-based input analysis module for in-vehicle voice assistants.Directed project execution in an industry-academia collaboration, coordinating research contributors, managing milestones, and delivering deployable system outcomes.	

Natural Language-Based Compound Intent Algorithms

Hyundai Motor Group (NGV)

Project Lead

Apr 2023 – Apr 2024

- Led research on multi-intent understanding for speech-based dialogue systems, addressing limitations of single-intent voice interaction models.
- Initiated and directed the construction of a large-scale multi-intent conversational dataset designed to model complex and transition-aware user interactions.
- Designed and led the development of a speech utterance segmentation-based multi-intent detection algorithm enabling accurate identification of multiple intents within a single user query.
- Resulted in a long paper publication at LREC-COLING 2024 and domestic and international patent applications derived from the proposed dataset construction and modeling methodology.
- Oversaw end-to-end research execution, organizing datasets, algorithms, and experimental frameworks into reproducible research artifacts.

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

AI Ambassador

Kakao (KANANA 429, AI Expert Track)

Mar 2026 – Present

Reviewer

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

Dec 2025 – Present

TALKS

Invited Talks

Practical Strategies for Overcoming the Limits of LLM Dialogue Capacity

Seoul, South Korea

SKT

Apr 2024

Contributed Talks

BlendX: Complex Multi-Intent Detection with Blended Patterns

Tokyo, Japan

GITW 2023

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