






# 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 Reasoning for Multi-Session Personalized Tool-Calling

2026

*Yejin Yoon, Minseo Kim, Taeuk Kim<sup>†</sup>*

### 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<sup>†</sup>*

*Nov 2025*

#### BlendX: Complex Multi-Intent Detection with Blended Patterns

LREC-COLING 2024

*Yejin Yoon, Jungyeon Lee, Kangsan Kim, Chanhee Park, Taeuk Kim<sup>†</sup>*

*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<sup>†</sup>*

*Jun 2024*

#### A Multi-Intent Dataset Enhanced with Implicit Concatenation

KCC 2024

*Sungmin So\*, Jiwoo Min\*, Yejin Yoon, Jungyeon Lee, Taeuk Kim<sup>†</sup>*

*Jun 2024*

#### Enhanced Prompting for Multi-Label Classification

KCC 2024

*Jungyeon Lee, Youngwoo Shin, Yejin Yoon, Taeuk Kim<sup>†</sup>*

*Jun 2024*

#### KoLegal-BERT: Legal Language Representation Model for Legal Domain Text Mining

KCC 2022

*Sangmin Park\*, Yejin Yoon\*, Jaeyun Lee, Jaieun Kim<sup>†</sup>*

*Jul 2022*

## PATENTS

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

## AWARDS AND HONORS

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

## PROJECTS

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

## TEACHING

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### Teaching Assistant

<b>Natural Language Processing</b> <i>Instructor: Taeuk Kim</i>	Hanyang University <i>Sep 2023</i>
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### Guest Speaker

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

Student Mentoring

CAPSTONE SOFTWARE PROJECT 2

Hanyang University  
Mar 2024 – Aug 2024

CAPSTONE SOFTWARE PROJECT 1

Hanyang University  
Sep 2023 – Feb 2024

ACADEMIC SERVICES

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Reviewer

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

2026 – Present

TALKS

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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

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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

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English: Working Proficiency  
Korean: Native