

# Yejin Yoon

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## EDUCATION

<b>Hanyang University</b> <i>Ph.D. Candidate in Computer Science</i>	Seoul, South Korea Aug 2024 – Present
<b>Hanyang University</b> <i>M.S. in Artificial Intelligence</i>	Seoul, South Korea Sep 2022 – Aug 2024
• Thesis: Enhanced Multi-Intent Detection with Blended Datasets.	
<b>Sookmyung Women's University</b> <i>B.A. in Economics &amp; B.S. in Statistics</i>	Seoul, South Korea Mar 2014 – Feb 2020

## RESEARCH INTERESTS

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

## EXPERIENCE

<b>KT</b> <i>Researcher (Internship)</i>	Seoul, South Korea Jul 2023 – Aug 2023
• KT AI2XL Research Lab; Large AI application P-TF emotional dialogue system project.	
<b>Saltlux</b> <i>Researcher (Full-time)</i>	Seoul, South Korea Mar 2020 – Aug 2022
• AI Labs advanced research team.	

## PUBLICATIONS

\* Co-first author; † Corresponding author.

### Under Review

<b>Latent Preference Reasoning for Multi-Session Personalized Tool-Calling</b> <i>Yejin Yoon, Minseo Kim, Taeuk Kim†</i>	2026
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### International Conferences

<b>Beyond Task-Oriented and Chitchat Dialogues: Proactive and Transition-Aware Conversational Agents</b> <i>Yejin Yoon, Yuri Son, Namyoung So, Minseo Kim, Minsoo Cho, Chanhee Park, Seungshin Lee, Taeuk Kim†</i>	EMNLP 2025
<b>BlendX: Complex Multi-Intent Detection with Blended Patterns</b> <i>Yejin Yoon, Jungyeon Lee, Kangsan Kim, Chanhee Park, Taeuk Kim†</i>	LREC-COLING 2024 May 2024

### Domestic Conferences

<b>Multi-Intent Detection for Korean Spoken Language (Outstanding Paper Award)</b> <i>Yejin Yoon*, Jisoo Kim*, Jungmin Lim, Jungyeon Lee, Taeuk Kim†</i>	KCC 2024 Jun 2024
<b>A Multi-Intent Dataset Enhanced with Implicit Concatenation</b> <i>Sungmin So*, Minji Woo*, Jejin Yoon, Jungyeon Lee, Taeuk Kim†</i>	KCC 2024 Jun 2024
<b>Enhanced Prompting for Multi-Label Classification</b> <i>Jungyeon Lee, Youngwoo Shin, Jejin Yoon, Taeuk Kim†</i>	KCC 2024 Jun 2024
<b>KoLegal-BERT: Legal Language Representation Model for Legal Domain Text Mining</b> <i>Sangmin Park*, Jejin Yoon*, Jaeyun Lee, Jaieun Kim†</i>	KCC 2022 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>用于生成多意据集的方法和置</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*

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## ACADEMIC SERVICES

### Reviewer

#### IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

*2026 – Present*

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## 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 Workshop

*Tokyo, Japan*

*Dec 2023*

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## 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

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## LANGUAGE PROFICIENCY

**English:** Working Proficiency

**Korean:** Native