

# JEONGHUN CHO

jeonghuncho@postech.ac.kr ◇ jeonghun3572.github.io

## RESEARCH INTERESTS

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Natural Language Processing (NLP), Retrieval-Augmented Generation, Reasoning

## EDUCATION

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**Pohang University of Science and Technology**

*Sep 2023 - Aug 2025*

M.S. in Artificial Intelligence

Advisor: Gary Geunbae Lee

**Hanyang University ERICA**

*Mar 2018 - Aug 2023*

B.S. in Electrical Engineering

summa cum laude

## PUBLICATIONS

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**Retrieval-Augmented Fine-Tuning With Preference Optimization For Visual Program Generation**

Deokhyung Kang\*, Jeonghun Cho\*, Yejin Jeon, Sunbin Jang, Minsub Lee, Jawoon Cho, and Gary Geunbae Lee

Preprint. [paper]

**K-COMP: Retrieval-Augmented Medical Domain Question Answering With Knowledge-Injected Compressor**

Jeonghun Cho and Gary Geunbae Lee

Proceedings of NAACL 2025. [paper]

**Medical Domain Retrieval-Augmented Question Answering through Entity-based Context Extraction**

Jeonghun Cho and Gary Geunbae Lee

Proceedings of KCC 2024. (**Best paper**) [paper]

## PATENTS

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**Method and Apparatus for Entity-Based Retrieval-Augmented Question Answering**

Jeonghun Cho and Gary Geunbae Lee.

Patent No. 10-2024-0133650. Publication Date: 2024-10-02.

## PROJECTS

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**LLM-based PLC Programming Assistant**

*Jul 2024 - Feb 2025*

funded by Hyundai Mobis

## AWARDS AND SCHOLARSHIPS

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**Best Paper**  
Korea Computer Congress 2024

*Jun 2024*

**Hanyang Brain Scholarship**  
Hanyang University

*Sep 2022, Mar 2023*

## **TEACHING EXPERIENCE**

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**Youth AI & Big Data Academy**  
POSTECH

*Fall 2024*

**CSED232 Principles of Software Construction**  
POSTECH

*Spring 2025*