

Jeonghun Cho

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EDUCATION

Pohang University of Science and Technology
M.S. in Artificial Intelligence

Pohang, South Korea
Sep 2023 - Present

Hanyang University ERICA
B.S. in Electrical Engineering (summa cum laude)
Completed compulsory military service

Ansan, South Korea
Mar 2018 - Aug 2023

EXPERIENCE

Natural Language Processing Group at POSTECH
Graduate researcher (Advisor: Prof. Gary Geunbae Lee)

Pohang, South Korea
Sep 2023 - Present

Efficient Learning Lab at POSTECH
Undergraduate Research Intern (Advisor: Prof. Jaeho Lee)
Pruning models under challenging scenarios

Pohang, South Korea
Jan 2023 - Feb 2023

Laboratory of Intelligent Things at HYU
Undergraduate Research Intern (Advisor: Prof. Joohyun Lee)
Natural language data processing for medical applications

Ansan, South Korea
Sep 2022 - Dec 2022

RESEARCH INTERESTS

Natural Language Processing (NLP), Retrieval-Augmented Generation, Reasoning, Code Generation, Machine Learning, Deep Learning

PUBLICATIONS

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. [\[paper\]](#)[\[code\]](#)

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

[Jeonghun Cho](#) and Gary Geunbae Lee
Proceedings of KCC 2024. [\[paper\]](#)[\[code\]](#)

*Best paper award (Top 1.7%)

PATENS

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

LLM-based PLC Programming Assistant

Jul 2024 - Feb 2025

Funded by Hyundai Mobis

AWARDS AND SCHOLARSHIPS

Best Paper

Jun 2024

Korea Computer Congress 2024

Academic Scholarship

Fall 2022, Spring 2023

Hanyang University

TEACHING EXPERIENCE

Youth AI & Big Data Academy

Fall 2024

POSTECH

CSED232 Principles of Software Construction

Spring 2025

POSTECH