Jeonghun Cho

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EDUCATION

Pohang University of Science and Technology   Pohang, South Korea
M.S. in Artificial Intelligence   Sep 2023 - Present

Hanyang University ERICA   Ansan, South Korea
B.S. in Electrical Engineering (summa cum laude)   Mar 2018 - Aug 2023
Completed compulsory military service

EXPERIENCE

Natural Language Processing Group   Pohang, South Korea
Graduate Researcher (Advisor: Prof. Gary Geunbae Lee)   Sep 2023 - Present

Efficient Learning Lab   Pohang, South Korea
Undergraduate Researcher (Advisor: Prof. Jaeho Lee)   Jan 2023 - Feb 2023
Pruning models under challenging scenarios

Laboratory of Intelligent Things   Ansan, South Korea
Undergraduate Researcher (Advisor: Prof. Joohyun Lee)   Sep 2022 - Dec 2022
Natural language data processing for medical applications

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 (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

Best Paper Award   Jun 2024
Korea Computer Congress 2024

Academic Scholarship   Fall 2022, Spring 2023
Hanyang University

TEACHING EXPERIENCE

CSED232 Principles of Software Construction   Spring 2025
Teaching Assistant (Instructor: Prof. Kyungmin Bae)

Youth AI & Big Data Academy   Fall 2024
Lecture