

Jeonghun Cho

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EDUCATION

Pohang University of Science and Technology

M.S. in Artificial Intelligence

Pohang, South Korea

Sep 2023 - Aug 2025

Hanyang University ERICA

B.S. in Electrical Engineering (Summa cum laude)

Ansan, South Korea

Mar 2018 - Aug 2023

*Completed mandatory military service

EXPERIENCE

Natural Language Processing Group

Graduate Researcher (Advisor: Prof. Gary Geunbae Lee)

Retrieval-augmented generation, Code generation

Pohang, South Korea

Sep 2023 - Aug 2025

Efficient Learning Lab

Undergraduate Researcher (Advisor: Prof. Jaeho Lee)

Pruning models under challenging scenarios

Pohang, South Korea

Jan 2023 - Feb 2023

RESEARCH INTERESTS

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

PUBLICATIONS (* → Equal contribution)

Self-Correcting Code Generation Using Small Language Models

Jeonghun Cho, Deokhyung Kang, Hyounghun Kim, and Gary Geunbae Lee

Findings of the Association for Computational Linguistics: EMNLP 2025. [[paper](#)][[code](#)]

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

Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics. [[paper](#)][[press](#)]

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

Jeonghun Cho and Gary Geunbae Lee

Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies. [[paper](#)][[code](#)]

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

Jeonghun Cho and Gary Geunbae Lee

Proceedings of Korea Computer Congress 2024. [[paper](#)]

*Best paper (Top 1.7%)

PATENS

Data processing device for user prompt-based code automatic generation

Jeonghun Cho, Deokhyung Kang, Gary Geunbae Lee, and Sunbin Jang

Patent No: 10-2025-0072930, Publication Date: 2025-06-04

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

HONORS

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 (Organized by POSCO)