

PERSONAL INFORMATION

Jeonghun Cho, M.S.
Graduate Researcher

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EDUCATION

09/2023–08/2025 **M.S., Artificial Intelligence**

Advisor: Gary Geunbae Lee
Pohang University of Science and Technology (POSTECH), South Korea
GPA: 3.77 / 4.3

03/2018–08/2023 **B.S., Electrical Engineering**

Hanyang University ERICA, South Korea
GPA: 4.13 / 4.5 (summa cum laude)

ACADEMIC EXPERIENCE

09/2023–08/2025 **Natural Language Processing Group**

Supervisor: Gary Lee & Hyounghun Kim
Position: Graduate Researcher
Location: POSTECH
Research topic:

- * Self-correction in code generation via reinforcement learning
EMNLP 2025 Findings, First Author
- * End-to-end real-world industrial code generation from graph-structured data using LLMs
ACL 2025, Co-first Author
- * Retrieval-augmented question answering in the medical domain via prompt compression
NAACL 2025, First Author

01/2023–02/2023 **Efficient Learning Lab**

Supervisor: Jaeho Lee
Position: Undergraduate Researcher
Location: POSTECH
Research topic:

- * Model pruning under challenging scenarios

RESEARCH INTERESTS

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

PUBLICATIONS (* → Equal contribution)

1. **Self-Correcting Code Generation Using Small Language Models**
Jeonghun Cho, Deokhyung Kang, Hyounghun Kim, and Gary Geunbae Lee
Findings of EMNLP 2025. [[paper](#)][[code](#)]
2. **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 ACL 2025. [[paper](#)][[press](#)]
3. **K-COMP: Retrieval-Augmented Medical Domain Question Answering With Knowledge-Injected Compressor**
Jeonghun Cho and Gary Geunbae Lee
Proceedings of NAACL 2025. [[paper](#)][[code](#)]
4. **Medical Domain Retrieval-Augmented Question Answering through Entity-based Context Extraction**
Jeonghun Cho and Gary Geunbae Lee
Proceedings of KCC 2024. [[paper](#)]
***Best paper (Top 1.7%)**

PATENTS

1. **Data processing device for user prompt-based code automatic generation**
Sunbin Jang, Gary Geunbae Lee, Deokhyung Kang, and Jeonghun Cho
Patent No: 10-2025-0072930, Publication Date: 2025-06-04
2. **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

07/2024–02/2025 **LLM-based PLC Programming Assistant**
Funded by Hyundai Mobis

TEACHING EXPERIENCE

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|-------------|---|
| Spring 2025 | CSED232 Principles of Software Construction Teaching Assistant (Instructor: Prof. Kyungmin Bae) |
| Fall 2024 | Youth AI & Big Data Academy Lecture (Organized by POSCO) |

HONORS, AWARDS & SCHOLARSHIPS

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| 06/2024 | Best Paper Award Korea Computer Congress 2024 |
| Spring 2023 | Academic Scholarship Hanyang University |
| Fall 2022 | Academic Scholarship Hanyang University |