

# Jeewoo Sul

AI Research Engineer at LG Electronics

📍 Seoul, Korea

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## EDUCATION

### Hanyang University

*M.S. in Computer Science*

Advisor: [Yong Suk Choi](#)

GPA 3.87 / 4.0

Seoul, Korea

Mar. 2022 – Feb. 2024

### Kwangwoon University

*B.S. in Computer Science*

GPA 4.11 / 4.5

Seoul, Korea

Mar. 2017 – Feb. 2022

## WORK EXPERIENCE

### **LG Electronics, AI Lab**

*AI Research Engineer*

Seoul, Korea

Feb. 2024 - present

Project: **Development of AI Coding Assistants using Large Language Models**

Built a **web-based coding assistant** for developers with automated features (e.g., comment generation), powered by *LangGraph* for orchestrating AI workflows, integrated with in-house systems.

Designed a **multi-agent framework** for code refactoring, leveraging verbal reinforcement learning.

Built an “**LLM-as-a-Judge**” system for code review across *Modularity*, *Functional Correctness*, and *Readability*, derived from developer requirements.

## PUBLICATIONS

Is Prompt Transfer Always Effective? An Empirical Study of Prompt Transfer for Question Answering

Minji Jung\*, Soyeon Park\*, **Jeewoo Sul\***, Yong Suk Choi (\*: Equal Contributions. Alphabetical order)

*NAACL 2024 short* [\[paper\]](#) [\[code\]](#)

Balancing Lexical and Semantic Quality in Abstractive Summarization

**Jeewoo Sul** and Yong Suk Choi

*ACL 2023 short* [\[paper\]](#) [\[code\]](#)

## RESEARCH EXPERIENCE

### **Hanyang University, AI Lab**

*Research Assistant*

Built a data preprocessing pipeline for pre-training large-scale AI model of KT AI One Team\*.

(KT AI One Team\*: A national AI cooperative organization of 12 industry-university-research institutes.)

Seoul, Korea

Dec. 2021 – Jan. 2024

## HONORS AND AWARDS

(Scholarship) Brain Korea 21, National Research Foundation of Korea

2022 - 2023

(Scholarship) Academic Excellent Scholarship, Kwangwoon University

Sep. 2017, Mar. 2018,

Mar. 2019, Mar. 2021,

Sep. 2021

(Award) Dean's List, Kwangwoon University

Sep. 2017, Apr. 2021

## INVITED TALKS

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Top Conference Session at Korea Software Congress 2023, Busan, South Korea

Dec. 2023

## SKILLS

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<b>Programming Languages</b>	Python (advanced) Java, SQL, Shell (intermediate) JS/TS, C/C++ (basic)
<b>Frameworks &amp; Technologies</b>	(Frontend) Streamlit, FastAPI (Agentic Observability) LangFuse (Agent Orchestration) LangGraph (Database) PostgreSQL (Infrastructure) Docker (Model Training/Serving) PyTorch, vLLM (Data Visualization) Pandas, Matplotlib, Seaborn
<b>Languages</b>	Korean (native); English (advanced)

Last update: Oct. 11, 2025