

Ki Yong Jung

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Research Interests

Agentic AI, VLM, VLA, LLMs, RAG, Document Understanding AI

Educations

Sungkyunkwan University

Mar 2023 – Present

BS in Department of Computer Science and Engineering

Experiences

AI Product Data Manager Intern

Jul 2025 – Present

Upstage

Remote

AI Application Developer

Apr 2024 – Jun 2025

KIOST (Korea Institute of Ocean Science and Technology)

Busan, South Korea

- Developed a **RAG-based chatbot** with maritime knowledge and an **Agentic Pipeline** using **LangGraph** for Text-to-SQL, code execution, data visualization, etc.

AI Research Intern

Apr 2024 – Dec 2024

VAIV & Sungkyunkwan University (Industry-Academia Collaboration)

Suwon, South Korea

- Developed **ChartBrain.AI**, enhancing chart understanding accuracy (RMS metric) by **26.04%p** using the **self-constructed 32K Weakness-Focused Chart Dataset**.

Publications

Advancement of Chart-to-Table Model for Complex Korean Chart Understanding

Jul 2025

Ki Yong Jung*, Sang Yeop Lee*, Gyu Min Lee*, Heeseon Park

Presented at KCC 2025 Undergraduated Paper Session

Tabular-TX: Theme-Explanation Structure-based Table Summarization via In-Context Learning

Oct 2024

TaeYoon Kwack*, Jisoo Kim*, Ki Yong Jung, DongGeon Lee, Heesun Park

Presented at HCLT-KACL 2024

Awards

2024 SW-centered University Excellence Awards

Dec 2024

- **MSIT Award, 1st Place** — ChartBrain.AI

The 2024 Joint Conference on Human and Cognitive Language Technology, Korean Association for Corpus Linguistics (HCLT-KACL 2024)

Oct 2024

- **2nd Place** — Tabular-TX: Theme-Explanation Structure-based Table Summarization via In-Context Learning

Technologies

Languages: Python, C++, C

Framework & Libraries: LangChain, LangGraph, Dify