

Junho Hong

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EDUCATION

Kookmin University, Seoul, South Korea

2014 - 2021

Bachelor of Science in Electrical Engineering

EXPERIENCE

Kakao Enterprise Corp., South Korea

January 2022 - Present

Machine Learning Engineer

- Knowledge Graph AI Team, of Daum Kakao Search Engine
<https://kg.kakao.ai/>

PROJECTS

OASYS @ Kakao Enterprise Corp.

Domain-Agnostic Automated System for Constructing Knowledge Base from Unstructured Text

<https://kakaenterprise.github.io/papers/sigkdd-oasys>

- Developed ML Training System for the Domain-Agnostic that features in Oasys
- Developed ML Pipeline for Knowledge Graph Inference

KakaoWork Personalized Ranking System @ Kakao Enterprise Corp.

<https://www.kakaowork.com/about/task>

- Developed ML Pipeline for calculating ranking score
- Optimized Kubernetes Worker Node Utilization analyzing metrics (e.g. CPU, I/O bound, etc)
- Reduced Memory Usage for calculating ranking score
 - Increased capability to process the maximum number of user in each organization
 - Reduced Memory Usage from 50+ GBytes to 80+ MBytes for each Process in Parallel Processing
(There were 625M {User-to-User: Score} Entries in that organization)

TECHNICAL STRENGTH

Area: MLOps, Parallel Processing, NLP, Knowledge Graph

Tool: Python, C/C++, Linux, Pytorch, Docker, Kubernetes, Kubeflow

LANGUAGE PROFICIENCY

Korean: Native

English: Fluent

Japanese: Conversational