

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 R&D

PROJECTS

NER for Entity Linking in Daum Search's Knowledge Graph @ Kakao Enterprise Corp.

- Developed API Server for Deploying ML Models
- Improved TPS and Latency for the API Server with Nvidia Triton, ONNX
- Improved ML Model Performance through user feedback
- Developed ML Pipeline for Data collection, Training, Evaluation, Versioning

Serving: Pytorch, Torchserve, FastAPI, Nvidia Triton, Kubernetes

Pipeline: Hadoop, PySpark, Doccano, Pytorch's DDP(Distributed Data Parallel)

KakaoWork Personalized Member-Ranking System @ Kakao Enterprise Corp.

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

- Developed ML batch Pipeline for calculating daily ranking score
- Improved Throughput for calculating ranking score
- Reduced Memory Usage for calculating ranking score
 - Increased the maximum number of user that could be calculated in each organization

Pipeline: Pytorch, Redis, Apache Zookeeper, Hadoop, Kubernetes

OASYS @ Kakao Enterprise Corp.

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

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

- Developed API Server for Deploying ML Models
- Developed ML Pipeline for Data collection, Training, Evaluation

Serving: Pytorch, Torchserve, Flask, Kubernetes

Pipeline: Kubeflow, Hadoop

TECHNICAL STRENGTH

Area: Parallel Processing, MLOps, NLP, Knowledge Graph

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

LANGUAGE PROFICIENCY

Korean: Native

English: Fluent