

Juyoung Suk

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Education

Korea Advanced Institute of Science and Technology, KAIST Mar. 2024 - Present

- M.S. in Artificial Intelligence
- Advised by Minjoon Seo

Korea Advanced Institute of Science and Technology, KAIST Mar. 2019 - Feb. 2024

- B.S. in Computer Science

Work Experience

Member of Technical Staff, Trillion Labs – Seoul, South Korea Nov. 2024 - Present

- Core developer of Trillion-7B (HuggingFace, NVIDIA GTC), a 7.76B parameter compute-efficient multilingual frontier model
- Working on pre-training and post-training stages for LLM

Machine Learning Engineer, ThetaOne – Seoul, South Korea Feb. 2023 - July. 2023

- Engineered end-to-end ML pipeline for Metabuddy, implementing RAG architecture with LangChain and custom language models (Grammar error detection, Reranker) for enhanced user interactions

Machine Learning Engineer Intern, NAVER Corp. – Seoul, South Korea Aug. 2022 - Feb. 2023

- Enhanced hate speech detection model for AI Clean Bot 2.0 (40+ million users) using Active Learning

Publications

[1] Trillion 7B Technical Report

Sungjun Han, **Juyoung Suk**, Suyeong An, Hyunguk Kim, Kyuseok Kim, Wonsuk Yang, Seungtaek Choi, Jay Shin

[2] Prometheus 2: An Open Source Language Model Specialized in Evaluating Other Language Models

Seungone Kim, Juyoung Suk, Shayne Longpre, Bill Yuchen Lin, Jamin Shin, Sean Welleck, Graham Neubig, Moontae Lee, Kyungjae Lee, Minjoon Seo

[3] CLiCK: A Benchmark Dataset of Cultural and Linguistic Intelligence in Korean

Eunsu Kim, **Juyoung Suk**, Philhoon Oh, Haneul Yoo, James Thorne, Alice Oh

[4] The BiGGen Bench: A Principled Benchmark for Fine-grained Evaluation of Language Models with Language Models

Seungone Kim, **Juyoung Suk**, JiYong Cho, Shayne Longpre, [23 Authors], Sean Welleck, Graham Neubig, Moontae Lee, Kyungjae Lee, Minjoon Seo

[5] Evaluating Language Models as Synthetic Data Generators

Seungone Kim, **Juyoung Suk**, Xiang Yue, Vijay Viswanathan, Seongyun Lee, Yizhong Wang, Kiril Gashteovski, Carolin Lawrence, Sean Welleck, Graham Neubig

[6] LLM-AS-AN-INTERVIEWER: Beyond Static Testing Through Dynamic LLM Evaluation

Eunsu Kim, **Juyoung Suk**, Seungone Kim, Niklas Muennighoff, Dongkeun Kim, Alice Oh

[7] MM-Eval: A Multilingual Meta-Evaluation Benchmark for LLM-as-a-Judge and Reward Models

Guijin Son, Dongkeun Yoon, **Juyoung Suk**, Javier Aula-Blasco, Mano Aslan, Vu Trong Kim, Shayekh Bin Islam, Jaume Prats-Cristià, Lucía Tormo-Bañuelos, Seungone Kim

Projects

Prometheus-Eval, Core Developer

May, 2024 - Present

- Led development of a 900+ stars open-source repository for evaluating language models using specialized LMs.
- Architected and implemented core functionalities, including evaluation pipelines, model training scripts, and the prometheus-eval Python package.

Teaching Experience

Teaching Assistant, Introduction to Programming with Python, KAIST MOOC Platform – Online Jan. 2022 - June. 2024

Teaching Assistant, Introduction to Programming (CS101), KAIST – Daejeon, South Korea Aug. 2021 - June. 2022

Languages

English: Professional proficiency

Korean: Native proficiency