

# Sanha Maeng

RESEARCH ENGINEER AT MAUMAI

✉ [sanha.maeng@gmail.com](mailto:sanha.maeng@gmail.com) | 🏠 [9rum.github.io](https://9rum.github.io) | 🐙 [GitHub](#) | [LinkedIn](#) | 🎓 [Google Scholar](#)

## Education

### Sogang University

M.S. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. Sungyong Park

Seoul, Republic of Korea

Mar. 2021 - Feb. 2023

### Kookmin University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Seoul, Republic of Korea

Mar. 2017 - Feb. 2021

## Experience

### MaumAI Inc.

RESEARCH ENGINEER (TECHNICAL RESEARCH PERSONNEL)

- Built and deployed H100 cluster monitoring system using WandB.
- Improved LLM serving throughput by up to **352×** using continuous batching, PagedAttention and FlashAttention.
- Implemented an LLM inference engine performance evaluation tool based on a Poisson process.
- Accelerated talking face generation models inference by **4×** using ONNX and TensorRT, achieving up to **440×** speedup in time-to-first-frame latency with iteration-level scheduling.

Seongnam, Republic of Korea

Mar. 2023 -

### CONCAT Inc.

SOFTWARE ENGINEER INTERN

Seoul, Republic of Korea

Jun. 2020 - Sep. 2020

### FlyHigh Co., Ltd.

SOFTWARE ENGINEER INTERN

Seongnam, Republic of Korea

Jun. 2019 - Aug. 2019

## Publications

1. **Sanha Maeng**, Gordon Euhyun Moon and Sungyong Park, CHRONICA: A Data-Imbalance-Aware Scheduler for Distributed Deep Learning, 23rd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid '23) [paper]

## Open Source Contributions

1. Contributed to Amazon Deep Graph Library (DGL) regarding distributed job launcher [[dmlc#6304](#)], became one of the DGL v2.0.0 contributors [[release note](#)].

## Honors and Awards

- 2022 **Best Paper Award**, Korea Software Congress  
2020 **2nd Place**, KMUCS Capstone Design Conference

KIISE

KMU