Hyoungjoo Kim

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https://hyoungjook.github.io

RESEARCH INTERESTS

Software Systems for Heterogeneous Devices

EDUCATION

- **Carnegie Mellon University**, Pittsburgh, Pennsylvania   *Aug 2023 - Expected May 2028*
  Ph.D. in Computer Science

- **Seoul National University**, Seoul, Korea   *Mar 2017 - Feb 2023*
  B.S. in Electrical and Computer Engineering
  GPA: 4.28/4.3 (Salutatorian)
  The period includes two years of mandatory military service in South Korea.

PROFESSIONAL EXPERIENCES

- **FriendliAI**, Seoul, Korea   *Jan 2022 - Feb 2023*
  Research Intern, Part-time
    ○ *BPipe*: Accelerating the training of LLMs by rebalancing memory utilizations

PUBLICATIONS

- Taebum Kim, **Hyoungjoo Kim**, Gyeong-In Yu, Byung-Gon Chun
  BPipe: Memory-Balanced Pipeline Parallelism for Training Large Language Models
  International Conference on Machine Learning (ICML), 2023 *(Oral Presentation)*

- **Hyoungjoo Kim**
  Modeling the GPU Instruction Scheduling Performance using Microbenchmarks
  Bachelor's Thesis, Seoul National University, 2023

TEACHING EXPERIENCES

- Seoul National University, "Operating Systems", Teaching Assistant   *Spring 2023*

SELECTED HONORS AND AWARDS

- Overseas PhD Scholarship, Korea Foundation for Advanced Studies   *2023 - 2028*
- The Presidential Science Scholarship, Korea Student Aid Foundation   *2017 - 2022*
- International Physics Olympiad, Gold Medal   *2016*
- Samsung Humantech Paper Award, Silver Prize   *2016*