



# Hyoungjoo Kim

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<https://hyoungjook.github.io>



## RESEARCH INTERESTS

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Software Systems for Heterogeneous Devices

## EDUCATION

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- **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

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

## PUBLICATIONS

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- 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

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

## SELECTED HONORS AND AWARDS

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- 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*