

JINUK KIM

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EDUCATION

Seoul National University(SNU), Seoul, Republic of Korea

- M.S. & Ph.D. in Computer Science and Engineering Mar 2023 - Present
- B.S. in Statistics, Minor in Computer Science and Engineering Mar 2017 - Feb 2023

HONORS AND AWARDS

- Presidential Science Scholarship for Graduate Students (full Ph.D.)**
Korea Student Aid Foundation 2025 - 2028
- Presidential Science Scholarship for Graduate Students (full M.S.)**
Korea Student Aid Foundation 2024
- Presidential Science Scholarship**
Korea Student Aid Foundation 2017 - 2023
- Han Sung Nobel Scholarship**
Han Sung Son Jae Han Scholarship Foundation 2015 - 2017

PUBLICATIONS

· C: conference, P: preprint, *: equal contribution

[P1] **KVzip: Query-Agnostic KV Cache Compression with Context Reconstruction** *arXiv 2025*
ICML 2025 ES-FoMo-III Workshop

Jang-Hyun Kim, **Jinuk Kim**, Sangwoo Kwon, Jae W. Lee, Sangdoo Yun, Hyun Oh Song

[C4] **GuidedQuant: Large Language Model Quantization via Exploiting End Loss Guidance** *ICML 2025*

Jinuk Kim, Marwa El Halabi, Wonpyo Park, Clemens JS Schaefer, Deokjae Lee, Yeonhong Park, Jae W. Lee, Hyun Oh Song

[C3] **LayerMerge: Neural Network Depth Compression through Layer Pruning and Merging** *ICML 2024*

Jinuk Kim, Marwa El Halabi, Mingi Ji, Hyun Oh Song

[C2] **Efficient Latency-Aware CNN Depth Compression via Two-Stage Dynamic Programming** *ICML 2023*

Jinuk Kim*, Yeonwoo Jeong*, Deokjae Lee, Hyun Oh Song

[C1] **Dataset Condensation via Efficient Synthetic-Data Parameterization** *ICML 2022*

Jang-Hyun Kim, **Jinuk Kim**, Seong Joon Oh, Sangdoo Yun, Hwanjun Song, Joonhyun Jeong, Jung-Woo Ha, Hyun Oh Song

EXPERIENCE

Google Aug 2024 - Jan 2025
Google Student Researcher (Collaborator: Wonpyo Park, Clemens JS Schaefer)

- Worked on improving post-training quantization objective and non-uniform quantization algorithm for large language models [C4].

Samsung Advanced Institute of Technology (SAIT)

July 2023 - Aug 2023

Research Intern

- Worked on accelerating neural network that models photolithography process with semiconductor data.

NCSoft NLP Center (Language AI Lab)

July 2021 - Nov 2021

Research Intern

- Worked on constructing Korean Dialogue Natural Language Inference (KorDNLI) dataset which measured consistency of chat model by analogy with NLI task.

NCSoft AI Center (Vision AI Lab)

Jan 2021 - Feb 2021

Research Intern

- Developed Android Application which replaces background from image, video and real time camera input.
- Served PyTorch semantic segmentation model using PyTorch Mobile.

TALKS

SNU AI Retreat [C2]

Aug 2023

Korean Artificial Intelligence Association Summer Conference (ICML preview) [C2]

July 2023

PROJECTS

SNU Board

Feb 2021 - Jan 2022

Project Owner / Android Developer

- Android/iOS service which collects notices from website of SNU departments and gather them.
- Designed concept and workflow of a service and led team based on Agile methodology.
- Android version (Aug 2021) / 100+ MAU / 80+ WAU / 1000+ Downloads

ACADEMIC SERVICES

Conference Reviewer

TMLR 2024 –, ICML 2025 –, NeurIPS 2025 –

REFERENCES

Prof. Hyon Oh Song

Seoul National University, PhD advisor, hyunoh@snu.ac.kr

Dr. Marwa El Halabi

SAIT AI Lab, Montreal, co-author and collaborator [C3, C4],
marwa.elhalabi@gmail.com

Wonpyo Park

Google, co-author and collaborator [C4], wppark@google.com

Last updated: July 16, 2025