

# JINUK KIM

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## EDUCATION

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**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

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- Presidential Science Scholarship for Graduate Students**, 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

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- [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, Sangdoon Yun, Hwanjun Song, Joonhyun Jeong, Jung-Woo Ha, Hyun Oh Song

## EXPERIENCE

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- Google** Aug 2024 - Oct 2024  
*Google Student Researcher (Host: Mingi Ji)*
  - Working on quantized training and non-uniform quantization in large language model.
- 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

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SNU AI Retreat [C2]

Aug 2023

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

July 2023

## PROJECTS

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**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

## REFERENCES

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**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, marwa.elhalabi@gmail.com

**Dr. Mingi Ji**

Google, co-author and collaborator, mingiji@google.com