

Minjun Kim

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About Me

I am a third-year M.S./Ph.D. student majoring in [Computer Science and Engineering](#) at [Seoul National University](#), advised by [Professor U Kang](#). I received my B.S. in [Computer Science](#) from [KAIST](#). My research engages deeply with data mining and machine learning, specializing in the study of graph neural networks and model compression.

Education

- **Seoul National University** (Mar. 2024 – Current)
M.S./Ph.D. Student in [Computer Science and Engineering](#)
Advisor: [Prof. U Kang](#)
- **KAIST** (Feb. 2019 – Feb. 2024)
B.S. in [Computer Science](#)
(Double Major: [Business and Technology Management](#))

Publications

* Equal Contribution, † Corresponding Author

Conference Papers

2026

[C6] **Prune-then-Quantize or Quantize-then-Prune? Understanding the Impact of Compression Order in Joint Model Compression**

[Minjun Kim](#), [Jaehyeon Choi](#), [Hyunwoo Yang](#), [Jongjin Kim](#), [Jinho Song](#), and [U Kang](#)[†]
[ICLR 2026](#) (The Fourteenth International Conference on Learning Representations), Rio de Janeiro, Brazil
[\[Paper\]](#) [\[Code\]](#) [\[OpenReview\]](#) [\[ICLR Virtual\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)

[C5] **LampQ: Towards Accurate Layer-wise Mixed Precision Quantization for Vision Transformers**

[Minjun Kim](#), [Jaeri Lee](#), [Jongjin Kim](#), [Jeongin Yun](#), [Yongmo Kwon](#), and [U Kang](#)[†]
[AAAI 2026](#) (The 40th Annual AAAI Conference on Artificial Intelligence), Singapore
[\[Paper\]](#) [\[Code\]](#) [\[Poster\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)

2025

[C4] **Zero-shot Quantization: A Comprehensive Survey**

[Minjun Kim](#)^{*}, [Jaehyeon Choi](#)^{*}, [Jongkeun Lee](#), [Wonjin Cho](#), and [U Kang](#)[†]
[IJCAI 2025](#) (The 34th International Joint Conference on Artificial Intelligence), Montréal, Canada
Survey Track
[\[Paper\]](#) [\[Paper List\]](#) [\[Slides\]](#) [\[Poster\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)

[C3] **Unifying Uniform and Binary-coding Quantization for Accurate Compression of Large Language Models**

[Seungcheol Park](#), [Jeongin Bae](#), [Beomseok Kwon](#), [Minjun Kim](#), [Byeongwook Kim](#), [Se Jung Kwon](#), [U Kang](#)[†], and [Dongsoo Lee](#)
[ACL 2025](#) (The 63rd Annual Meeting of the Association for Computational Linguistics), Vienna, Austria
[\[Paper\]](#) [\[Code\]](#) [\[ACL Anthology\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)

- [C2] **AugWard: Augmentation-Aware Representation Learning for Accurate Graph Classification**
 Minjun Kim, Jaehyeon Choi, SeungJoo Lee, Jinhong Jung[†], and U Kang[†]
[PAKDD 2025](#) (The 29th Pacific-Asia Conference on Knowledge Discovery and Data Mining), Sydney, Australia
Oral Presentation
[\[Paper\]](#) [\[Code\]](#) [\[Slides\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)
- [C1] **SynQ: Accurate Zero-shot Quantization by Synthesis-aware Fine-tuning**
 Minjun Kim, Jongjin Kim, and U Kang[†]
[ICLR 2025](#) (The Thirteenth International Conference on Learning Representations), Singapore
[\[Paper\]](#) [\[Code\]](#) [\[Poster\]](#) [\[OpenReview\]](#) [\[ICLR Virtual\]](#) [\[arXiv\]](#) [\[BibTeX\]](#)

Patents

- **Electronic Device, Method, and Non-transitory Computer Readable Storage Medium for Performing Quantization for Artificial Intelligence Model**
 Minjun Kim, Jaeri Lee, Jongjin Kim, Jeongin Yun, Yongmo Kwon, Samsung Electronics, and U Kang
 Filed 31th July, 2025
- **Method and Apparatus for Accurate Zero-Shot Quantization by Synthesis-Aware Fine-Tuning**
 Minjun Kim, Jongjin Kim, and U Kang
 Filed 23th May, 2025
- **Graph Classification Method and Apparatus based on Augmentation-Aware Representation Learning**
 Minjun Kim, Jaehyeon Choi, SeungJoo Lee, Jinhong Jung, and U Kang
 Filed 30th Oct., 2024

Awards and Honors

- **SNU BK21 Star Student Researcher Award** (Mar. 2026)
- **Qualcomm Innovation Fellowship Finalist** 2025 South Korea (Nov. 2025)
- **PAKDD Student Travel Award** for attending PAKDD 2025 (Mar. 2025)
- **Youlchon AI Research Fellowship** (Sep. 2024, Sep. 2025)

Projects

- **AI Cluster @ Samsung Electronics - System LSI Division** (Oct. 2025 - Current)
"Mixture-of-Experts Model Compression for Multi-Agent Systems"
- **AI Star Fellowship @ IITP** (Jul. 2025 - Current)
"Model Compression and Acceleration of Multi-modal LLMs"
- **AI Platform @ Samsung Electronics - MX Division** (May. 2024 - Current)
"Mixed precision Quantization of Large Language Models for On-Device Execution"
- **SW-StarLab @ IITP** (Jun. 2023 - Current)
"Model Compression for Deep Neural Networks"
- **AI Research Project @ Youlchon Foundation** (Jun. 2023 - Current)
"Advancing Language Models Through Compression of Large Language Models"

Academic Services

Reviewer

- ECCV 2026
- ICML 2026
- ICLR 2026
- AAAI 2026
- LoG 2025
- IJCAI 2025 | 2026

Teaching Assistant

- [Data Structure \(M1522.000900\)](#) @ Seoul National University (Spring 2025)
- [Data Mining \(M1522.001400\)](#) @ Seoul National University (Fall 2024)
- Machine Learning Course @ HD Hyundai Heavy Industries (Summer 2024)
- Advanced Data Scientists Course @ LG Electronics (Winter 2024)
- AI Boosting Camp @ Hyundai Motor Group (Fall 2023, Spring 2024, Summer 2025)