

Jaehyeon Choi

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Links: [[Google Scholar](#) | [LinkedIn](#) | [DBLP](#) | [GitHub](#) | [ORCID](#) | [ResearchGate](#)]

About Me

I am a Ph.D. student in [Computer Science and Engineering](#) at [Seoul National University](#), advised by [Prof. U Kang](#). I received M.S. (advised by [Prof. Jun-Ho Huh](#)) and B.A. in Data Informatics from [Korea Maritime & Ocean University](#). My research focuses on machine learning, with a particular interest in model compression, knowledge extraction, and model inversion.

Education

Seoul National University	Seoul, South Korea
Ph.D. in Computer Science and Engineering	Mar. 2024 – Present
Advisor: Professor U Kang	
Korea Maritime & Ocean University	Busan, South Korea
M.S. in Data Informatics	Mar. 2021 – Feb. 2023
Advisor: Professor Jun-Ho Huh	
Korea Maritime & Ocean University	Busan, South Korea
B.S. in Data Informatics	Mar. 2015 – Feb. 2021

Publications

** Equal Contribution, † Corresponding Author, [C] Conference, [J] Journal, [P] Preprint*

Conferences

[C3] 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'26 (The 14th International Conference on Learning Representations)

[C2] Zero-shot Quantization: A Comprehensive Survey

Minjun Kim*, [Jaehyeon Choi](#)*, Jongkeun Lee, Wonjin Cho, and U Kang[†]

IJCAI'25 (The 35th International Joint Conference on Artificial Intelligence)

[C1] AugWard: Augmentation-Aware Representation Learning for Accurate Graph Classification

Minjun Kim, [Jaehyeon Choi](#), Seungjoo Lee, Jinhong Jung[†], and Jun-Ho Huh[†]

PAKDD'25 (The 29th Pacific-Asia Conference on Knowledge Discovery and Data Mining)

Journals

[J7] A Comprehensive Survey of Compression Algorithms for Language Models

Seungcheol Park*, Jaehyeon Choi*, Sojin Lee*, and U Kang[†]

ACM Computing Surveys, May 2026.

[J6] A Scalable Vector Graphics Warping System for Anthropomorphizing Game Characters

Young-Suk Lee, Jaehyeon Choi, Seung-Mo Je[†], and Jun-Ho Huh[†]

IEEE Access, February 2024.

[J5] System Design for Detecting Real Estate Speculation Abusing Inside Information: For the Fair Reallocation of Land

Yeon-Jin Sim*, Jeongmin Kim*, Jaehyeon Choi, and Jun-Ho Huh[†]

Land, April 2022.

[J4] A Research Trend on Anonymous Signature and Authentication Methods for Privacy Invasion Preventability on Smart Grid and Power Plant Environments

Seung-Mo Je*, Hanchul Woo*, Jaehyeon Choi, Se-Hoon Jung[†], and Jun-Ho Huh[†]

Energies, January 2022.

[J3] Review of Photovoltaic Power and Aquaculture in Desert

Thi Thu Em Vo*, Seung-Mo Je*, Se-Hoon Jung, Jaehyeon Choi, Jun-Ho Huh[†], and Han-Jong Ko[†]

Energies, January 2022.

[J2] Review for Examining the Oxidation Process of the Moon Using Generative Adversarial Networks: Focusing on Landscape of Moon

Jong-Shan Kim, Su-Chang Lim, Jaehyeon Choi[†], and Jun-Ho Huh[†]

Electronics, January 2022.

[J1] Smart Trash Bin Model Design and Future for Smart City

Jun-Ho Huh, Jaehyeon Choi, and Kyungryong Seo[†]

Applied Sciences, January 2021.

**Research
Project**

SW Starlab

Janu. 2023 – Present

IITP (Institute of Information & Communications Technology Planning & Evaluation)

Flexible and Efficient Model Compression Method for Various Applications and Environments

**Academic
Service**

Teaching Assistant

Advanced AI Scientists Course

Winter 2026

LG Electronics

Data Structure (M1522.000900)

Spring 2025

Seoul National University

Advanced Data Scientists Course

Winter 2025

LG Electronics

Introduction to Data Mining (M1522.001400)

Fall 2024

Seoul National University

R&D Tech. Academy/AI·DS

Fall 2023

Hyundai Motor Group

Reviewer

IJCAI'26 Survey Track (The 36th International Joint Conference on Artificial Intelligence)

TPAMI (IEEE Transactions on Pattern Analysis and Machine Intelligence)

IJCAI'25 Survey Track (The 35th International Joint Conference on Artificial Intelligence)