Dongjae Jeon

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Education

Yonsei University *Aug 2025 – present*
MS in Computer Science
- GPA: 4.21/4.3

Yonsei University *Mar 2020 – Aug 2025*
BS in Economics & Computer Science
- GPA: 4.15/4.3   (CS major: 4.23/4.3, overall major: 4.17/4.3)
- **Coursework:** Statistical Machine Learning, Computer Vision, Multicore and GPU Programming, Data Structure, Mathematics for Economics II, Linear Algebra, Computer Architecture, Data Privacy

Korean Minjok Leadership Academy *Mar 2017 – Jan 2020*
High School Diploma

Publication

Peer Reviewed (∗ denotes shared first authorship)

1. **Rainbow Padding: Mitigating Early Termination In Instruction-tuned Diffusion LLMs**
   Bumjun Kim*, ***Dongjae Jeon****, Dueun Kim*, Wonje Jeung, Albert No
   ICLR 2026 ↗

2. **A2D: Any-Order, Any-Step Safety Alignment for Diffusion Language Models**
   Wonje Jeung*, Sangyeon Yoon*, Yoonjun Cho, ***Dongjae Jeon***, Sangwoo Shin, Hyesoo Hong, Albert No
   ICLR 2026 ↗

3. **An Information Theoretic Metric for Evaluating Unlearning Models**
   Dongjae Jeon*, Wonje Jeung*, Taeheon Kim, Albert No, Jonghyun Choi
   AAAI 2026 ↗

4. **Information-Theoretic Discrete Diffusion**
   Moongyu Jeon, Sangwoo Shin, ***Dongjae Jeon***, Albert No
   NeurIPS 2025 ↗

5. **Assigning Distinct Roles to Quantized and Low-Rank Matrices Toward Optimal Weight Decomposition**
   Yoonjun Cho, Soeun Kim, ***Dongjae Jeon***, Kyelim Lee, Beomsoo Lee, Albert No
   ACL Findings 2025 ↗

6. **Large Language Models Still Exhibit Bias in Long Text**
   Wonje Jeung, ***Dongjae Jeon***, Ashkan Yousefpour, Jonghyun Choi
   ACL Findings 2025 ↗

7. **Understanding and Mitigating Memorization in Generative Models via Sharpness in Probability Landscapes**
   Dongjae Jeon*, Dueun Kim*, Albert No
   ICML 2025 **(Spotlight)** ↗

Preprints

1. **Dependency-Aware Parallel Decoding via Attention for Diffusion LLMs**
   Bumjun Kim*, ***Dongjae Jeon***, Moongyu Jeon, Albert No
   [Under review ↗]

2. **Preserve-Then-Quantize: Balancing Rank Budgets for Quantization Error Reconstruction in LLMs**
   Yoonjun Cho*, ***Dongjae Jeon****, Soeun Kim, Albert No
   [ICML 2025 TTODLer-FM workshop **(Oral)** ↗]

Awards

1. Achieved **2nd** place @ CVPR '24 Workshop on Continual Learning in Computer Vision

2. Achieved **1st** place @ ICCV '23 Workshop on Visual Continual Learning

Resaerch Experience

Graduate Research Assistant *Seoul, Korea*
Artificial Intelligence and Information Systems Lab (site) ↗ *Aug 2025 – Present*
Advisor: Prof. Albert No

- Leading several projects on diffusion LLMs, focusing on developing efficient architectures and sampling strategies that facilitate parallel decoding.
- Evaluated the effectiveness of current quantization error reconstruction practice in LLMs, proposing an adaptive protocol that optimizes weight decomposition for varying matrix characteristics.

Research Intern *Seoul, Korea*
Artificial Intelligence and Information Systems Lab (site) ↗ *Sep 2024 – Aug 2025*
Prof. Albert No

- Analyzed memorization in diffusion models through the sharpness of the learned log-density landscape, using Hessian-based signals, and propose an inference-time mitigation method.
- Developed an information-theoretic metric for strong machine unlearning that addresses the limitations and fragility of existing evaluation criteria.

Research Intern *Seoul, Korea*
SNU Machine Perception and Reasoning Lab (site) ↗ *Jan 2023 – Sep 2024*
Prof. Jonghyun Choi

- Developed an object detection algorithm for autonomous driving in dynamic, weather-changing scenarios, leveraging EMA and knowledge distillation (Samsung Research Project).

Honors and Scholarship

Academic Excellence Award Dec 2023
Yonsei University Economics Department

Student Tutor Scholarship Aug 2023
Yonsei University
Provided mentorship to five students in a Data Structures course, contributing to their
academic success (approximately $500).

Outstanding Academic Performance Scholarship June 2023
Yonsei University Economics Department
Full tuition scholarship for a single semester (approximately $3000).

Bachelor & Master's Accelerated Degree Program Jan 2023
Yonsei University Computer Science Department
Exclusive program for high-achieving undergraduate students.

Outstanding Academic Performance Scholarship Jan 2023

Yonsei University Economics Department

Half tuition scholarship for a single semester (approximately $1500).

Student Tutor Scholarship Dec 2022

Yonsei University

Provided mentorship to five students in Macroeconomics and Microeconomics courses, contributing to their academic success (approximately $1000).

Youngjae Merit Scholarship June, Dec of 2018

Korean Minjok Leadership Academy

Scholarships awarded for achieving an outstanding GPA in consecutive semesters (approximately $300 per semester).

Professional Activities

Conference Reviewer

- ICML '26
- ICLR '26 Workshop on Agents in the Wild: Safety, Security, and Beyond
- NeurIPS '24 Workshop on Socially Responsible Language Modelling Research

Projects

Yourwell Cup (reusable cup rental service) *Feb 2022 - Dec 2022*

- Independently developed both the frontend and backend architecture for a reusable cup rental app.
- Successfully acquired 500+ app users within Yonsei University. *(Service video)* ↗
- Tools Used: React Native, Node.js, Firebase, MongoDB.

Skills

Languages: C, C++, Python

Libraries: Pytorch, OpenMP