

# Jaewoo Shin

[Website](#)

## EDUCATION

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- **Yonsei University** Seoul, South Korea  
*M.S. in Department of Statistics and Data Science* *Sep. 2025 – Aug. 2027 (TBA)*
- **Yonsei University** Seoul, South Korea  
*B.A. in Department of Applied Statistics* *Sep. 2019 – Aug. 2025*
- **Jakarta Intercultural School** Jakarta, Indonesia  
*– Jun. 2019*

## RESEARCH EXPERIENCES

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- **[ITML Lab](#), Department of Applied Statistics, Yonsei University** Seoul, South Korea  
*Student Researcher (Advisor: Prof. Jy-yong Sohn)* *Jan. 2024 – Present*
- **[Data Science Lab](#), Yonsei University** Seoul, South Korea  
*Participated in multiple projects (Advisor: Prof. Taeyoung Park)* *Sep. 2023 – Jun. 2024*
- **[Expanded Statistics Club](#), Yonsei University** Seoul, South Korea  
*Participated in a project as a team leader (Advisor: Prof. Jaewoo Park)* *Sep. 2024 – Jun. 2025*

## PUBLICATIONS & WORKING PAPERS

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- **Spectrally-Decomposed Projections for RLVR Training**  
Jaewoo Shin, Hyeongene Kim, Jy-yong Sohn, Dongjun Han
- **Latent Space based Token Selection for LLM Unlearning**  
Junehong Baek, Jaewoo Shin, Jy-yong Sohn, Albert No

## TEAM PROJECTS

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- **Audio Sentiment Classification \*\*** *Apr. 2024 – May 2024*  
Developing a lightweight model under 500MB for recognizing emotion from speaker voice data, with feature augmentation based on high-frequency details. (Materials cannot be disclosed due to security issues.)
- **Mood-Based Music Recommender \*\*** *Feb. 2024 – Apr. 2024*  
Fine-tuned BERT + Gemini mood labels + JukeMIR audio embeddings, ranked by cosine similarity. ([link](#))
- **Implementation of Stochastic Versions of the EM Algorithm \*\*** *Nov. 2024 – Dec. 2024*  
Reviewed and analyzed the paper that introduced about Stochastic EM Algorithms, including exact replications of the results. ([link](#))
- **Recommendation System based on School Announcements** *Sep. 2023 – Oct. 2023*  
Recommending announcements to users based on a fine-tuned T5 Model ([link](#))
- **Sketch Image for Storyboard from text-based input** *Oct. 2023 – Dec. 2023*  
Stable Diffusion + CycleGAN based model, where sketches are outputted. ([link](#))

\*\* Projects where I served as team leader.

## AWARDS

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- **3rd Place, 2023 BDA Data Analysis Competition**

Topic: Visualization Insight for suggesting a marketing strategy for CJ's food industry.

*Jun. 24th, 2023*

- **Outstanding Project Award, 2024 Student Participation Project Competition**

Topic: Recommendation System based on School Announcements

*Aug. 6th, 2024*

- **3rd Place, 2024 G-Valley Smart Workathon for Business Innovation**

Topic: How AI can be utilized for helmets.

*Dec. 10th, 2024*

## EXTRACURRICULAR ACTIVITIES

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- **Yonsei Programming Club, PoolC**

*Participated in multiple projects, and also published a video game. [\(link\)](#)*

*Mar. 2023 – Present*

- **Big Data Analysis Club (BDA)**

*Participated in the club's main tournament, and won 3rd Place.*

*Jan. 2023 – Jun. 2023*

- **Yonsei Data Science Lab**

*10th Member, Head of Academic Team (Dec. 2023 – Jun. 2024)*

*Jul. 2023 – Jun. 2024*

- **Yonsei Expanded Statistics Club**

*32nd Member, President (Dec. 2024 – Jun. 2025)*

*Jul. 2024 – Jun. 2025*

## OTHER SKILLS

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- **TOEFL - 105**

*Mar. 2026*

- **IELTS - 7.5**

*Mar. 2019*