

Minsuh Joo

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 [LinkedIn](#) |  [Github](#) |  [Tech Blog](#)

Seoul, South Korea

EXPERIENCE

• Language & Representation Modeling Lab

Research Intern

June 2024 - Aug. 2025
Ewha Womans University

- Hallucination Detection, Decoding Strategy

• Euron: Deep Learning Club

Team Member

Mar. 2024 - Aug. 2024
Ewha Womans University

- Participated in a deep learning study group during the semester.
- Conducted a natural language processing (NLP) project during the summer break.

• KanghwaSisters: Reinforcement Learning Club

Team Member

Mar. 2024 - July 2024
Ewha Womans University

- Participated in an RL study group during the semester.
- Implemented project using Deep Q-Network (DQN) during the summer break.

• Department of Artificial Intelligence Student Council

Planning Committee Member

Mar. 2023 - Dec. 2024
Ewha Womans University

- Organized academic and social events for AI majors, including orientation and school festival.

EDUCATION

• Ewha Womans University

B.S. in Artificial Intelligence

Mar. 2023 - Mar. 2027
Seoul, South Korea

- GPA: 4.29/4.3

PROJECTS

• Minesweeper Implementation using Deep Q-Network (DQN)

Tools: Python, PyTorch, NumPy, pandas, matplotlib

May 2024 - July 2024



- Implemented most of the game environment entirely from scratch using functions.
- Significantly improved win rate and cumulative score through effective normalization.
- Designed a concrete and fine-grained reward system tailored to the Minesweeper environment.
- Achieved a training win rate of 65% and a test rate of 56%.

• School Announcements Classification Task

Tools: Python, PyTorch, NumPy, pandas, scikit-learn, BeautifulSoup, matplotlib

June 2024 - Aug. 2024



- Designed a text classification task to categorize announcements relevant to students' careers, such as scholarships, extracurricular activities, and employment.
- Crawled approximately 10,000 text entries from the web and manually labeled them to construct a custom dataset.
- Fine-tuned Multilingual BERT and KLUE-BERT models, achieving over 0.9 both accuracy and F1 score.

• Bank Deposit Subscription Classification Task

Tools: Python, NumPy, pandas, scikit-learn, matplotlib

Apr. 2024 - June 2024



- Worked on a binary classification task with a highly imbalanced dataset.
- Applied various machine learning techniques such as oversampling (SMOTE), Bayesian optimization, and K-Nearest Neighbors, using frameworks like LGBMClassifier.
- Explored multiple approaches to optimize performance, including standardization, PCA, and stepwise method.

PUBLICATIONS

W=WORKSHOP, B=BOOK

[W.1] Minsuh Joo, Hyunsoo Cho. (2025). **Cleanse: Uncertainty Estimation Approach Using Clustering-based Semantic Consistency in LLMs**. *In Proceedings of the GEM Workshop at ACL 2025*.

[B.1] Yoonseo Chung, Jeonghyun Kim, MiYeon Kim, **Minsuh Joo**, Hyunsoo Cho. (2025). **Foundations of LLMs and Financial Applications**. *Finance and Large Language Models, Springer Nature*, ISBN: 978-981-96-5832-9.

SKILLS

- **Programming Languages:** Python, C
- **Database Systems:** SQL
- **Data Science & Machine Learning:** PyTorch, HuggingFace
- **Mathematical & Statistical Tools:** Calculus, Linear Algebra
- **Other Tools & Technologies:** LaTeX

HONORS AND AWARDS

• National Science and Engineering Scholarship <i>Korea Student Aid Foundation (KOSAF)</i>	2025 [🌐]
• Top Student in Artificial Intelligence Major <i>Ewha Womans University</i>	2025
• Undergraduate Research Opportunities Program (UROP) <i>Ewha Womans University</i>	2024
• Second Highest GPA Student of the College <i>Ewha Womans University</i>	2024
• Top Student of the College <i>Ewha Womans University</i>	2024