YEHJIN SHIN

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)   Daejeon, Korea
Ph.D. in Computer Science   *Sep. 2024 – Present*
- GPA 3.7 / 4.3

Yonsei University   Seoul, Korea
M.S. in Computer Science   *Mar. 2023 – Aug. 2024*
- GPA 4.23 / 4.3
- Early Graduation (Completed in 3 semesters)

Yonsei University   Seoul, Korea
B.A. in Applied Statistics & B.S. in Computer Science   *Mar. 2019 – Feb. 2023*
- GPA 4.11 / 4.3
- Early Graduation (Completed in 7 semesters)

EXPERIENCE

Microsoft Research   Beijing, China
Research Intern   *Jul. 2025 – Dec. 2025 (Expected)*
- Mentors: Jiamin Li, Wenxue Cheng
- Research Topic: LLM-driven Chain-of-Thought Analysis for Tabular Data

Big Data Analysis & Learning Laboratory (BigDyl)   Daejeon, Korea
Ph.D. Student Researcher   *Sep. 2024 – Present*
- Advisor: Noseong Park
- Research Topic: State Space Model, Sequential Recommendation, Tabular Data Learning

Big Data Analysis & Learning Laboratory (BigDyl)   Seoul, Korea
Master's Student Researcher   *Mar. 2023 – Aug. 2024*
- Advisor: Noseong Park
- Research Topic: Sequential Recommendation, Tabular Data Learning

Big Data Analysis & Learning Laboratory (BigDyl)   Seoul, Korea
Undergraduate Researcher   *Dec. 2021 – Feb. 2023*
- Advisor: Noseong Park
- Research Topic: Tabular Data Synthesis, Time series Imputation

Mondrian AI   Incheon, Korea
Data Scientist Intern   *Jun. 2021 – Aug. 2021*
- Project: Prediction of infectious diseases using SIR, SEIR, SVEIR, SEIHR, ARIMA
- Skills: Tableau, R, Python

PUBLICATIONS

INTERNATIONAL CONFERENCES

[C5] Graph Convolutions Enrich the Self-Attention in Transformers! | *Neurips 2024*
- *Jeongwhan Choi*, Hyowon Wi*, Jayoung Kim,* <u>*Yehjin Shin*</u>*, Kookjin Lee, Nathaniel Trask and Noseong Park*

[C4] Polynomial-based Self-Attention for table representation learning | *ICML 2024*
- *Jayoung Kim,* <u>*Yehjin Shin*</u>*, Jeongwhan Choi, Hyowon Wi and Noseong Park*

[C3] An Attentive Inductive Bias for Sequential Recommendation beyond the Self-Attention | *AAAI 2024*
- *Yehjin Shin*, Jeongwhan Choi*, Hyowon Wi and Noseong Park*

[C2] Continuous-time Autoencoders for Regular and Irregular Time Series Imputation | *WSDM 2024*
- *Hyowon Wi, Yehjin Shin, Noseong Park, Sungpil Woo, Sunhwan Lim*

[C1] SOS:Score-based Oversampling for Tabular Data | *KDD 2022*
- *Jayoung Kim*, Chaejeong Lee*, Yehjin Shin, Sewon Park, Minjung Kim, Noseong Park and Jihoon Cho*

INDUSTRIAL PROJECTS

Shoe Design Trend Prediction using Sequential Recommendation *Sep. 2024 – Present*
- Ongoing industry-academic project in collaboration with *Bytesize*
- Developing group-level trend embeddings using multi-modal sequential recommendation
- Applying embeddings to guide generative shoe design using diffusion models

LEADERSHIP AND EXTRACURRICULARS

YBIGTA Yonsei University
Core Member of Data Science & Data Engineering Team *Jul. 2020 – Jun. 2022*
- Data Science Team: Machine Learning, Computer Vision, Natural Language Processing
- Data Engineering Team: Distributed systems such as Hadoop, Spark, Kafka
- Projects: Kpop Twitter, InsideOut Chatbot, AI Fitness Application

Yundongjoo House Yonsei University
Residential Assistant *Mar. 2020 – Dec. 2021*
- Mentored freshmen to assist with their transition to college life
- Designed and implemented extracurricular programs for freshmen
- Served as Vice Chief RA in Spring 2021 and advanced to Chief RA in Fall 2021

HONORS AND AWARDS

Excellence Award, K-Water Big Data Competition	*Aug. 2024*
Combined Bachelor's–Master's Scholarship – Full tuition waiver, Yonsei University	*Mar. 2023 – Aug. 2024*
Academic Honors – Top 10% of students, Yonsei University	*Spring 2021*
Academic Honors – Top 10% of students, Yonsei University	*Spring 2020*

SKILLS

LANGUAGES PROFICIENCY	Korean (Native), English (Advanced)
PROGRAMMING LANGUAGES	Python, R, C++, Java
FRAMEWORKS & LIBRARIES	PyTorch, Scikit-learn, Tensorflow

CERTIFICATES

SQLD SQL Developer	*2021*
ADSP Advanced Data Analytics Semi-Professional	*2021*