

YEHJIN SHIN

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

Ph.D. in Computer Science

- GPA - / -

Daejeon, Korea

Sep. 2024 – (ongoing)

Yonsei University

M.S. in Computer Science

- GPA 4.23 / 4.3
- Combined Bachelor's-Master's Degree Program Scholarships (full tuition waiver)

Seoul, Korea

Mar. 2023 – Aug. 2024

Yonsei University

B.A. in Applied Statistics & B.S. in Computer Science

- GPA 4.11 / 4.3
- Honors in 2020 spring semester (awarded to top 10 % of the students)
- Honors in 2021 spring semester (awarded to top 10 % of the students)

Seoul, Korea

Mar. 2019 – Feb. 2023

EXPERIENCE

Big Data Analysis & Learning Laboratory (BigDyl)

Ph.D. Student Researcher

- Advisor: Noseong Park
- Research Topic: Sequential Recommendation, State Space Model, Tabular Data Learning

Daejeon, Korea

Sep. 2024 – Present

Big Data Analysis & Learning Laboratory (BigDyl)

Master's Student Researcher

- Advisor: Noseong Park
- Research Topic: Sequential Recommendation, Tabular Data Learning

Seoul, Korea

Mar. 2023 – Aug. 2024

Big Data Analysis & Learning Laboratory (BigDyl)

Undergraduate Researcher

- Advisor: Noseong Park
- Research Topic: Tabular Data Synthesis, Time series Imputation

Seoul, Korea

Dec. 2021 – Feb. 2023

Mondrian AI

Data Scientist Intern

- Project: Prediction of infectious diseases using SIR, SEIR, SVEIR, SEIHR, ARIMA
- Skills: Tableau, R, Python

Incheon, Korea

Jun. 2021 – Aug. 2021

PUBLICATIONS

INTERNATIONAL CONFERENCES

[C5] Graph Convolutions Enrich the Self-Attention in Transformers! | *Neurips 2024*

- Jeongwhan Choi*, Hyowon Wi*, Jayoung Kim, Yehjin Shin, Kookjin Lee, Nathaniel Trask and Noseong Park

[C4] Polynomial-based Self-Attention for table representation learning | *ICML 2024*

- Jayoung Kim, Yehjin Shin, 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

LEADERSHIP AND EXTRACURRICULARS

YBIGTA

Yonsei Univ.

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
- Industry Academic Co-operation: Albiti, Life Planning Lab

Yundongjoo House

Yonsei Univ.

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

SKILLS

LANGUAGE PROFICIENCY

- Native in Korean
- Proficient in English

PROGRAMMING LANGUAGES

- Python, R, C++, Java
- PyTorch, Scikit-learn, Tensorflow

CERTIFICATES

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