

Yehjin Shin

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Introduction

I'm a master's student advised by Noseong Park at Yonsei University. I am deeply interested in applying deep learning to temporal data and tabular data. Currently, my focus lies in the domain of sequential recommendation, which involves temporal patterns in recommendations.

Education

Yonsei University

M.S. IN COMPUTER SCIENCE

Seoul, South Korea

Mar. 2023 - Feb. 2025 (tentative)

- GPA 4.21 / 4.3
- Combined Bachelor's-Master's Degree Program Scholarships (full tuition waiver for 3 semesters of master's program)

Yonsei University

B.A. IN APPLIED STATISTICS & B.S. IN COMPUTER SCIENCE

Seoul, South Korea

Mar. 2019 - Feb. 2023

- 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)

Work Experience

BigDyl (Big Data Analysis Laboratory)

GRADUATE STUDENT

Seoul, South Korea

Mar. 2023 - Present

- Sequential Recommendation
- Table Representation Learning

BigDyl (Big Data Analysis Laboratory)

UNDERGRADUATE INTERN

Seoul, South Korea

Dec. 2021 - Feb. 2023

- Score-based Generative Model with tabular data
- Time Series Imputation with Neural Controlled Differential Equations

Mondrian AI

INTERN

Songdo, South Korea

Jun. 2021 - Aug. 2021

- Participated in government projects related to the prediction of infectious diseases (COVID-19).
- Studied SIR, SEIR, SVEIR, SEIHR, ARIMA
- Skills: Tableau, R, Python

SW Programming TA

TEACHING ASSISTANT

Seoul, South Korea

Mar. 2021 - Dec. 2021

Publications

CONFERENCES

- C3** **Y.Shin***, J.Choi*, H.Wi and N.Park "An Attentive Inductive Bias for Sequential Recommendation beyond the Self-Attention", AAAI Conference on Artificial Intelligence (AAAI'24), 2024
- C2** H.Wi, **Y.Shin**, N.Park, S.Woo and S.Lim "Continuous-time Autoencoders for Regular and Irregular Time Series Imputation", ACM International Conference on Web Search and Data Mining (WSDM'24), 2024
- C1** J.Kim*, C.Lee*, **Y.Shin**, S.Park, M.Kim, N.Park and J.Cho "SOS:Score-based Oversampling for Tabular Data", ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'22), 2022

PREPRINTS

- P2** J.Kim, **Y.Shin** and N.Park "Polynomial-based Self-Attention for table representation learning", 2024
- P1** J.Choi*, H.Wi*, J.Kim, **Y.Shin**, K.Lee, N.Trask and N.Park "Graph Convolutions Enrich the Self-Attention in Transformers!", 2024

Extracurricular Activity

YBIGTA

CORE MEMBER OF DATA SCIENCE & DATA ENGINEERING TEAM

Yonsei Univ.

Jul. 2020 - Present

- YBIGTA is a Big Data Society consisting of three teams: Data Science, Data Engineering, Data Analytics
- Data Science Team study related Machine Learning, Computer Vision, Natural Language Processing
- Data Engineering Team study related distributed system such as Hadoop, Spark, Kafka
- Participated in conference every semester: Kpop Twitter, InsideOut Chatbot, SantaFit: AI Fitness Application
- Have experiences of Industry Academic Co-operation with Albiti and Life Planning Lab

Certificates

2021 **SQLD** SQL Developer

South Korea

2021 **ADSP** Advanced Data Analytics Semi-Professional

South Korea