

SEOJIN KIM

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

M.S. in Artificial Intelligence

- GPA 4.0 / 4.3

Daejeon, Korea

Sep. 2024 – (ongoing)

Yonsei University

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

- GPA 4.07 / 4.3
- Honors in 2020 spring semester (awarded to top 10 % of the students)
- Honors in 2024 spring semester (awarded to top 10 % of the students)

Seoul, Korea

Mar. 2020 – Aug. 2024

EXPERIENCE

Big Data Analysis & Learning Laboratory (BigDyl)

Undergraduate Researcher & Master's Student Researcher

- Advisor: Noseong Park
- Research Topic: Efficient Language Modeling, Time Series Analysis, Recommendation System

Seoul, Korea & Daejeon, Korea

Feb. 2023 – On-going

Minds n Company

Data Scientist Intern

- Project: AI Banker (LLM Agent) project at Woori Bank
- Skills: Langchain, Natural Language Generation

Seoul, Korea

Dec. 2023 – Feb. 2024

EcubeLabs

Data Scientist Intern

- Project: Haulla call data analysis referral marketing project
- Skills: Data Analytics with Python

Seoul, Korea

Dec. 2021 – Jan. 2022

PUBLICATIONS

INTERNATIONAL CONFERENCES (* DENOTES EQUAL CONTRIBUTION.)

TV-Rec: Time-Variant Convolutional Filter for Sequential Recommendation | NeurIPS 2025

- Yehjin Shin, Jeongwhan Choi, Seojin Kim, Noseong Park

Graph Signal Processing Meets Mamba2: Adaptive Filter Bank via Delta Modulation | ICML Workshop 2025

- Yehjin Shin*, Seojin Kim* and Noseong Park
- Workshop on Efficient Systems for Foundation Models (ES-FoMo III)

Mitigating Over-Smoothing in Mamba2 via Spectral Domain Analysis | ICML Workshop 2025

- Seojin Kim*, Yehjin Shin* and Noseong Park
- Workshop on Efficient Systems for Foundation Models (ES-FoMo III)

Addressing Prediction Delays in Time Series Forecasting: A Continuous GRUs Approach with Derivative Regularization | KDD 2024

- Sheo Yon Jhin, Seojin Kim, Noseong Park

Long-term Time Series Forecasting based on Decomposition and Neural Ordinary Differential Equations

| IEEE Big Data 2023

- Seonkyu Lim*, Jaehyeon Park*, Seojin Kim*, Hyowon Wi, Haksoo Lim, Jinsung Jeon, Jeongwhan Choi, Noseong Park

LEADERSHIP AND EXTRACURRICULARS

Data Science Lab

Member / Academic Director

Yonsei Univ.

Dec. 2022 – Feb. 2024

- Sessions: Perform lectures on Machine Learning & Deep Learning
- Study: NLP, GNN
- Projects: Img2Music Recommendation (Presenter), 3D Image Modeling with NeRF (Team Leader)
- Industry Academic Co-operation: Naver Financial (AutoDQ) (Presenter), Smoretalk (Storyboard Generation, Team Leader)

The 56th Yonsei Student Council

Member of Media and Contents Department

Yonsei Univ.

Jan. 2021 – Dec. 2021

- Planned various student events (university festival, freshmen orientation, etc.)
- Produced promotional contents (Youtube Video, posters, SNS contents)

AWARDS

2023 YONSEI BIG DATA ANALYSIS CONTEST

2nd place

- Served as Main Project Developer
- Project: Verification of AlleyWay Consulting and presentation of Growth Plans with LightGBM

2021 TRADITIONAL CULTURE YOUTH STARTUP IDEA CONTEST

TOP 10

- Served as Team Leader
- Project: *Moon-we*: Interactive Matchmaking Platform for Collaboration between Intangible Cultural Properties-Company-Consumer and Crowdfunding Related to Intangible Cultural Properties

SKILLS

LANGUAGE PROFICIENCY

- Native in Korean
- Advanced in English (TOEIC 945, TOEFL iBT 106 (Expired))
- Intermediate in French (DELFB1)

PROGRAMMING LANGUAGES

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

CERTIFICATES

- **SQLD** SQL Developer | 2023
- **ADSP** Advanced Data Analytics Semi-Professional | 2024