

Sein Kim

291 Daehak-ro
Yuseong-gu, Daejeon 34141

Email: rlatpdlsgns (AT) kaist.ac.kr
Alt: rlatpdlsgns81 (AT) gmail.com
Phone: (+82)10 9123 9219

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

BSc in Industrial Engineering

Daejeon, ROK

Graduated Aug. 2022

Korea Advanced Institute of Science and Technology (KAIST)

Integrated Master's/doctoral program in Industrial Engineering: from 2022. Sep

Daejeon, ROK

Present (AT) DSAIL, Advisor: Prof. Chanyoung Park

PARTICULARS

ACADEMIC INTERESTS:

- Machine/Deep Learning
- Recommendation Systems
- Graph Representation Learning
- Graphs, GNN
- Various applications of ML/DL
- Statistics

Publication

- [5] DSLR: Diversity Enhancement and Structure Learning for Rehearsal-based Graph Continual Learning
Seungyoon Choi*, Wonjoong Kim*, Sungwon Kim, Yeonjun In, **Sein Kim** and Chanyoung Park
The Web Conference (**WWW 2024 Oral**)
- [4] MUSE: Music Recommender System with Shuffle Play Recommendation Enhancement
Yunhak Oh, Sukwon Yun, Dongmin Hyun, **Sein Kim** and Chanyoung Park
ACM International Conference on Information and Knowledge Management (**CIKM 2023**)
- [3] Shift-Robust Molecular Relational Learning with Causal Substructure
Namkyeong Lee, Kanghoon Yoon, Gyoung S. Na, **Sein Kim** and Chanyoung Park
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [2] Task Relation-aware Continual User Representation Learning
Sein Kim, Namkyeong Lee, Donghyun Kim, Minchul Yang and Chanyoung Park
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- [1] Fusing Multi-modal Medical Data via Multiplex Network for Medical Image Analysis
Sein Kim, Namkyeong Lee, Junseok Lee, Dongmin Hyun and Chanyoung Park
Thirty-Seventh AAAI Conference on Artificial Intelligence (**AAAI 2023 Oral**)

Research EXPERIENCE

Winter Lab Internship program: DSAIL@KAIST

Dec. 2020 - Feb. 2021

Advisor: Prof. Chanyoung Park

Data Science and Artificial Intelligence Lab (AT) KAIST (DSAIL@KAIST)

- Machine/Deep Learning
- Recommendation Systems
- Graph Representation Learning
- GNN, Graphs

[Alone] Individual Study

Spring, Mar. 2021 - Aug. 2022

Advisor: Prof. Chanyoung Park

Data Science and Artificial Intelligence Lab (AT) KAIST (DSAIL@KAIST)

- Machine/Deep Learning
- Graph Representation Learning
- Graph Embedding Methods

[URP] Undergraduate Research Program

July. 2021 - Dec. 2021

Advisor: Prof. Chanyoung Park

Data Science and Artificial Intelligence Lab (AT) KAIST (DSAIL@KAIST)

- Graph Representation Learning
- Medical Machine Learning

[Internship] Research Internship in NAVER Shopping

Dec. 2022 - Feb. 2023

Advisor: Donghyun Kim, Min-Chul Yang

NAVER

- Continual Learning
- Recommendation System
- User Representation Learning

Project EXPERIENCE

Contract Tracing System project

Advisor: Prof. Sukyoung Ryu

- COVID 19
- Warning Systems for Infectious Disease
- Study for Transmission of COVID 19 or other diseases

Oct. 2020 - Dec. 2020
Programming Language Research Group (AT) KAIST (PLRG)

Project Hana Bank (AT) DSAIL@KAIST

Project: Recommendation Systems for Financial Products by Graph Representation Learning

- Financial Products
- Graph Representation Learning
- Recommendation Systems

Feb. 2021 - Feb. 2022
KEB Hana Bank

Project NAVER Shopping (AT) DSAIL@KAIST

Project: Learning Continual Universal User Representation for Recommendation

- Universal User Representation
- Continual Learning

Jul. 2022 - Jul.2023
NAVER Shopping

Project NAVER Shopping (AT) DSAIL@KAIST

Project: Research and Development on Integrated Large Language Models for Enhanced Recommendation Systems

- Recommendation Systems
- Large Language Model

Dec. 2023 - Present
NAVER Shopping

Teaching EXPERIENCE

Data Structure, Algorithms - KEB Hana Bank

Teaching Assistant of Data Structure, Algorithms

- Data Structure
- Algorithms

Mar. 2022 - Jun. 2022
KEB Hana Bank

AI Specialist Course - Samsung Electronics

Teaching Assistant of Graph Machine Learning and Recommendation Systems

- Graph Machine Learning
- Recommendation Systems

Sep. 2023
Samsung Electronics

DS503: Machine Learning for Data Science

Teaching Assistant of Machine Learning

- Basic Machine Learning

Feb. 2024 - Jun. 2024
KAIST