

Seungyoon Choi

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RESEARCH INTEREST

Graph Neural Network

- Continual Learning, Data-Efficient Learning

Recommendation System

- Sequential Recommendation, User Representation Learning

Time Series Analysis

- Online Learning, Time Series Forecasting with LLMs, Time Series Reasoning

EDUCATION

KAIST (Korea Advanced Institute of Technology), Daejeon, South Korea

- Ph.D. in Department of Industrial & Systems Engineering Feb 2024 – Present
 - Research Interest: Time Series Analysis
 - Adviser: [Prof. Chanyoung Park](#)
- M.S. in Department of Industrial & Systems Engineering Feb 2022 – Feb 2024
 - Research Interest: Graph Continual Learning, User Representation Learning
 - Adviser: [Prof. Chanyoung Park](#)
- B.S. in Department of Industrial & Systems Engineering Feb 2017 – Feb 2022

PUBLICATIONS

(*: Equal contribution)

CONFERENCES

- [C8] **Chasing Label Shifters: A Change-Aware Framework for Dynamic Graph Node Classification**
Junghoon Kim, **Seungyoon Choi**, Hyunsung Kim, Chanyoung Park
Under Review
- [C7] **Beyond Time Series: Integrating Categorical Context for Robust Time Series Classification**
Seungyoon Choi, Hyunchul Kim, Yerin Kim, Sangheon Lee, Chanyoung Park
Under Review
- [C6] **Compositional Spectral Prompts for LLM-based Online Time Series Forecasting**
Seungyoon Choi, Hyunchul Kim, Jae-Gil Lee, Chanyoung Park
CIKM 2026 - ACM International Conference on Information and Knowledge Management
- [C5] **DefaultGNN: A Dual-Perspective GNN Framework for Predicting Corporate Default from Buyer-Seller Transaction Networks**
Junghoon Kim, Hyunsung Kim, **Seungyoon Choi**, Kyoungyong Park, Jihun Lee, Yonggu Ji, Chanyoung Park
CIKM 2026 - ACM International Conference on Information and Knowledge Management (Applied Research Track)
- [C4] **Dynamic Time-aware Continual User Representation Learning**
Seungyoon Choi, Sein Kim, Hongseok Kang, Wonjoong Kim, Chanyoung Park
SIGIR 2025 – ACM SIGIR Conference on Research and Development in Information Retrieval
- [C3] **Large language models meet collaborative filtering: An efficient all-round llm-based recommender system**
Sein Kim*, Hongseok Kang*, **Seungyoon Choi**, Donghyun Kim, Minchul Yang, Chanyoung Park
KDD 2024 – ACM SIGKDD Conference on Knowledge Discovery and Data Mining
- [C2] **DSLRL: Diversity Enhancement and Structure Learning for Rehearsal-based Graph Continual Learning**
Seungyoon Choi*, Wonjoong Kim*, Sungwon Kim, Yeonjun In, Sein Kim, Chanyoung Park
WWW 2024 (Oral) – The Web Conference
- [C1] **Task-Equivariant Graph Few-shot Learning**
Sungwon Kim, Junseok Lee, Namkyeong Lee, Wonjoong Kim, **Seungyoon Choi**, Chanyoung Park
KDD 2023 - ACM SIGKDD Conference on Knowledge Discovery and Data Mining

PROJECTS

- **Time Series Anomaly Detection for Preservative Maintenance**, SK Hynix 2025, 2026

	▪ Explainable Graph Neural Network for Credit Transfer Prediction , Douzone Bizon	2025
HONORS & AWARDS	▪ Silver Reviewer ICML 2026 - Recognized as a Silver Reviewer (top 26- 50% of reviewers)	2026
PROFESSIONAL SERVICES	Conference Reviews ▪ ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) ▪ International ACM Conference on Knowledge and Information Management (CIKM) ▪ International Conference on Machine Learning (ICML) ▪ Neural Information Processing Systems (NIPS)	2027 2025, 2026 2026 2026
TEACHING EXPERIENCE	▪ DS353: Recommender System and Graph Machine Learning , KAIST Teaching Assistant	2023
	▪ IE631: Integer Programming , KAIST Teaching Assistant	2023
	▪ IE343: Statistical Machine Learning , KAIST Teaching Assistant	2022, 2024
TALKS AND SEMINARS	▪ Top Conference Session , Korea Computer Congress (KCC) DSLRL: Diversity Enhancement and Structure Learning for Rehearsal-based Graph Continual Learning	2024
REFERENCES	▪ Prof. Chanyoung Park , Associate Professor, KAIST Email: cy.park@kaist.ac.kr	

[CV compiled on 2026-08-14]