

Kanghoon Yoon

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Education

Korea Advanced Institute of Science & Technology (KAIST)

Ph.D. in Industrial & Systems Engineering

- Advisor: Prof. Chanyoung Park

Daejeon, South Korea

09. 2021 – 02. 2025

Korea Advanced Institute of Science & Technology (KAIST)

M.S. in Industrial & Systems Engineering

- Advisor: Prof. Jinkyoo Park
- Dissertation: Learning Multivariate Hawkes Process using Graph Recurrent Neural Network.

Daejeon, South Korea

09. 2019 – 08. 2021

Hanyang University

B.S. in Mathematics

- Scholarship: Hanyang Brain Award (2017 Fall, 2018 Spring).

Seoul, South Korea

03. 2013 – 02. 2018

Project

Electronics and Telecommunications Research Institute (ETRI)

Project researcher for visual intelligence memorization technology development.

- Developed a deep-learning-based scene understanding algorithm that alleviates the biased prediction problem, and published the paper "Un-biased Heterogeneous Scene Graph Generation via Relation-aware Message Passing Neural Network" in AAAI-23.

Daejeon, South Korea

09. 2021 – 12. 2023

Shinhan Card

Project researcher for Personalized User and Store Recommendation System Development.

- Developed a deep-learning-based scalable recommendation system for personalized users and stores.

Seoul, South Korea

09. 2020 – 03. 2021

Shinhan Card

Project researcher for Personalized User Analysis using machine learning models.

- Developed a personalized user analysis algorithm by clustering users based on latent representations.

Seoul, South Korea

12. 2019 – 02. 2020

Publications

CONFERENCES

Class Label-aware Graph Anomaly Detection.

Junghoon Kim, Yeonjun In, [Kanghoon Yoon](#), Junmo Lee, Chanyoung Park.

CIKM'23 (Short)

Similarity Preserving Adversarial Contrastive Learning.

Yeonjun In*, [Kanghoon Yoon](#)*, Chanyoung Park

KDD'23

Shift-Robust Molecular Relational Learning with Causal Substructure.

Namkyeong Lee, [Kanghoon Yoon](#). Gyoung S. Na, Sein Kim, Chanyoung Park

KDD'23

Learning Multivariate Hawkes Process via Graph Recurrent Neural Network.

[Kanghoon Yoon](#)*, Youngjun Im*, Jingyu Choi, Taehwan Jeong, Jinkyoo Park.

KDD'23, ADS

Unbiased Heterogeneous Scene Graph Generation with Relation-aware Message Passing Neural Network.

[Kanghoon Yoon](#)*, Kibum Kim*, Jinyoung Moon, Chanyoung Park.

AAAI, 2023

LTE4G: Long-Tail Experts for Graph Neural Networks.

Sukwon Yun, Kibum Ki, [Kanghoon Yoon](#), Chanyoung Park

CIKM, 2022

Invited Talks

Heterogeneous Scene Graph Generation

Korea Computer Congress

Jeju, South Korea

06. 2023

Awards

Excellence Award in Poster Competition

KAIST ISysE, 2022

Hanyang Brain Scholarship

Hanyang University, 2017-2018

Teaching (industrial)

Semi-supervised Classification for AI factory.

LG Academy

Seoul, South Korea

2019, 2020, 2021