Kanghoon Yoon

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Education

Korea Advanced Institute of Science & Technology (KAIST) *Daejeon, South Korea*
Ph.D. in Industrial & Systems Engineering *09. 2021 – 02. 2025*
- Advisor: Prof. Chanyoung Park

Korea Advanced Institute of Science & Technology (KAIST) *Daejeon, South Korea*
M.S. in Industrial & Systems Engineering *09. 2019 – 08. 2021*
- Advisor: Prof. Jinkyoo Park
- Dissertation: Learning Multivariate Hawkes Process using Graph Recurrent Neural Network.

Hanyang University *Seoul, South Korea*
B.S. in Mathematics *03. 2013 – 02. 2018*
- Scholarship: Hanyang Brain Award (2017 Fall, 2018 Spring).

Project

Electronics and Telecommunications Research Institute (ETRI) *Daejeon, South Korea*
Project researcher for visual intelligence memorization technology development. *09. 2021 — 12. 2023*
- Developed a deep-learning-based scene understanding algorithm that alleviates the biased prediction problem, and published the paper "Unbiased Heterogeneous Scene Graph Generation via Relation-aware Message Passing Neural Network" in AAAI-23.

Shinhan Card *Seoul, South Korea*
Project researcher for Personalized User and Store Recommendation System Development. *09. 2020 — 03. 2021*
- Developed a deep-learning-based scalable recommendation system for personalized users and stores.

Shinhan Card *Seoul, South Korea*
Project researcher for Personalized User Analysis using machine learning models. *12. 2019 — 02. 2020*
- Developed a personalized user analysis algorithm by clustering users based on latent representations.

Publications

CONFERENCES

Unbiased Heterogeneous Scene Graph Generation with Relation-aware Message Passing Neural Network. *AAAI, 2023*
Kanghoon Yoon. Kibum Kim. Jinyoung Moon. Chanyoung Park.

LTE4G: Long-Tail Experts for Graph Neural Networks. *CIKM, 2022*
Sukwon Yun, Kibum Ki, Kanghoon Yoon, Chanyoung Park

Awards

Excellence Award in Poster Competition KAIST ISysE, 2022
Hanyang Brain Scholarship Hanyang University, 2018

Teaching (industrial)

Semi-supervised Classification for AI factory. *Seoul, South Korea*
LG Academy *2019, 2020, 2021*