

JAEWAN CHUN

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✓ RESEARCH INTERESTS

Data mining, hypergraph mining, time-series prediction

🎓 EDUCATION

Korea Advanced Institute of Science and Technology (KAIST), South Korea 2025.03 – Present

Ph.D. student in Kim Jaechul Graduate School of AI

Supervisor: Prof. Kijung Shin

Korea Advanced Institute of Science and Technology (KAIST), South Korea 2023.03 – 2025.02

M.S. in Kim Jaechul Graduate School of AI

Thesis: Random Walk with Restart on Hypergraphs: Fast Algorithms and Applications [J1]

Supervisor: Prof. Kijung Shin

Korea Advanced Institute of Science and Technology (KAIST), South Korea 2019.03 – 2023.02

B.S. in Computer Science

B.S. in Electrical Engineering (Double Major)

Supervisor: Prof. Jooyoung Lee

Sejong Science High School (SJSB), South Korea

2017.03 – 2019.02

Early Graduation

👤 EXPERIENCE

Korea Advanced Institute of Science and Technology (KAIST), South Korea 2022.06 – 2022.08

AI Research Internship (KAIRI) Supervisor: Prof. Kijung Shin

Korea Advanced Institute of Science and Technology (KAIST), South Korea 2021.12 – 2022.02

AI Research Internship (KAIRI) Supervisor: Prof. Kijung Shin

♡ HONORS AND AWARDS

Best Paper Award: ICDM 2025 [C1]

2025

Major based scholarship: 2nd place in KAIST CS, 2020 Spring

2020

📖 PUBLICATIONS

(C: Conference / J: Journal / P: Preprint)

[P1] Jaewan Chun*, Fanchen Bu*, Yeongho Kim, Atsushi Miauchi, Francesco Bonchi, and Kijung Shin “A Survey on Centrality and Importance Measures in Hypergraphs: Categorization and Empirical Insights.”
arXiv 2512.00107

[C1] Jaewan Chun*, Seokbum Yoon*, Minyoung Choe, Geon Lee, and Kijung Shin “Attributed Hypergraph Generation with Realistic Interplay Between Structure and Attributes.”

IEEE ICDM 2025 (Full paper acceptance rate = 13.5%)

Received the IEEE ICDM Best Paper Award

Selected as one of the best-ranked papers of ICDM 2025 for fast-track journal invitation

Published to the Sister Conferences' Best Paper Track of IJCAI 2026 by invitation with an extended abstract

- [J1] [Jaewan Chun](#), Geon Lee, Kijung Shin[†], and Jinhong Jung[†]. “Random walk with restart on hypergraphs: fast computation and an application to anomaly detection.”
Data Mining and Knowledge Discovery (SCI(E) Journal, 2023)
part of ECML PKDD 2024 Journal Track.

ACADEMIC SERVICES

(C: Conference / J: Journal)

- [C2] ACM Web Conference (WWW): Reviewer (2026)
[C1] ACM International Conference on Information and Knowledge Management (CIKM): Reviewer (2025-2026)

LANGUAGES

- Korean: Native
- English: Advanced
 - TOEIC 980
- Chinese: Novice