Jaewan Chun

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LinkedIn: Jaewan Chun · GitHub: jaewan01

✔ 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 (SJSH), 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-tack journal invitation*

[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)

[C3] ACM Web Conference (WWW): Reviewer (2026)

[C2] ACM International Conference on Information and Knowledge Management (CIKM): Reviewer (2025)

[C1] International Conference on Artificial Neural Networks (ICANN): Reviewer (2025)

Languages

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