Youngeun Nam

Motto: "Irreplaceable" May 16, 2025

Mobile: +82-10-9596-0615

E-mail: youngeun.nam@kaist.ac.kr

RESEARCH INTEREST

Data Analysis, Deep Learning, Generative Model, Anomaly Detection, Multi-Modal Learning, RAG

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

Ph.D. in School of Computing

Mar. 2022 – *Feb.* 2026(expected)

Advisor: Jae-Gil Lee

Korea Advanced Institute of Science and Technology (KAIST)

M.S. in Industrial and System Engineering (Graduate School of Data Science)

Mar. 2020 – Feb. 2022

Advisor: Jae-Gil Lee

Pohang University of Science and Technology (POSTECH)

B.S. in Industrial and Management Engineering

D.S. III maasalal and Management Engineerin

nagement Engineering Mar. 2013 – Feb. 2017

Cum Laude

PUBLICATIONS

Conferences

- [13] **Nam, Y.***, Na, J.*, Yoon, S., Song, H., Lee, J., and Lee, B. S., *Bi-Modal Learning for Networked Time Series*. Proceedings of the 31st ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD), Toronto, Canada, 2025.
- [12] Na, J., Nam, Y., Kang, J., and Lee, J., *Mitigating Source Label Dependency in Time-Series Domain Adaptation under Label Shifts*. Proceedings of the 31st ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD), Toronto, Canada, 2025.
- [11] Na, J.*, **Nam, Y.***, Yoon, S., Song, H., Lee, J., and Lee, B. S., *Mobility Networked Time-Series Forecasting Benchmark Datasets*. International AAAI Conference on Web and Social Media (ICWSM Posters, Demos, and Datasets Track). Copenhagen, Denmark, 2025.
- [10] Bae, M., Shin, Y., **Nam, Y.**, Lee, Y., and Lee, J., *Semi-Supervised Learning for Time Series Collected at a Low Sampling Rate*. Proceedings of the 30th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD), Barcelona, Spain, 2024.
- [9] **Nam, Y.**, Yoon, S., Shin, Y., Bae, M., Song, H., Lee, J., and Lee, B. S., *Breaking the Time-Frequency Granularity Discrepancy in Time-Series Anomaly Detection*. International World Wide Web Conference (WWW), Singapore, Singapore, 2024.

- [8] Nam, Y., Trirat, P., Kim, T., Lee, Y., and Lee, J. *Context-Aware Deep Time-Series Decomposition for Anomaly Detection in Businesses*. Proceedings of European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD), Torino, Italy, 2023.
- [7] Shin, H., Kang, J., Akbar, I., Choi, S., **Nam, Y.**, Lee, J. *An Empirical Investigation of Deep Learning Models for Defect Classification in Solar Cells Electroluminescence*. Korea Computer Congress, 2023.
- [6] Trirat, P.*, Nam, Y.*, Kim, T., and Lee, J. *AnoViz: A Visual Inspection Tool of Anomalies in Multivariate Time Series*. The Thirty-Seventh AAAI Conference on Artificial Intelligence (Demonstration Program), Washington, DC, 2023.
- [5] Kim, T., Bae, M., Jung, H., Nam, Y., Shin, Y., Min, H. *User-Adaptive Ranking System on Mobile Trading Applications*. Korea Computer Congress, 2022.
- [4] Kim, D., Min, H., Nam, Y., Song, H., Yoon, S., Kim, M., Lee, J. *COVID-EENet: Predicting Fine-Grained Impact of COVID-19 on Local Economies*. The Thirty-Sixth AAAI Conference on Artificial Intelligence, Virtual Event, 2022.
- [3] Na, J., Kang, J., Bae, M., Nam, Y., Lee, J. Vessel Trajectory Periodic Pattern Mining by Using AIS Data. Korea Computer Congress, 2021.
- [2] Nam, Y., Kang, J., Lee, J. *ActiveBoostThief: Model Extraction Attack Using Reliable Active Learning.* Korea Computer Congress, 2021.
- [1] Kim, M., Kang, J., Kim, D., Song, H., Min, H., Nam, Y., Park, D. Lee, J. *Hi-COVIDNet: Deep Learning Approach to Predict Inbound COVID-19 Patients and Case Study in South Korea*. Proceedings of the 26th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD), Virtual Event, California, 2020.

ACADEMIC EXPERIENCE

Researc	h In	terns	hip

Data Mining Lab Seoul National University
Advisor: Sungzoon Cho

Aug. 2018 – Jul. 2018

Experience Design & Engineering Lab

Advisor: Sungho Han

POSTECH

Sep. 2015 – Dec. 2015

Activities

Management Strategy Student Association (MSSA)

POSTECH

Sponsor: 3M Korea, POSCO Sep. 2014 – Dec. 2016

Future Industrial Engineering Leaders and Dreamers (FIELD Camp)

Korea University

Competition Silver Award

Aug. 2014

International Conference for the Integration of Science, Technology and Society

ICIST-KAIST Delegates

Aug. 2014

Advisor: Jac-Gil Lee [CS564] Data Science Methodology Advisor: Jac-Gil Lee (Outstanding Teaching Assistant Award) [CS564] Data Science Methodology Advisor: Jac-Gil Lee (CS564] Data Science Methodology Advisor: Jac-Gil Lee [CS492(D)] Special Topics in Computer Science [CS564] Data Science Methodology Advisor: Jac-Gil Lee WORK EXPERIENCE Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor RC Volunteers POSTECH Residential College Residential Advisor Feb. 2016 – Dec. 2016 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor RESCARCH Projects Samsung Mobile Experience KAIST Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 KAIST Mar. 2012 – Jul. 2023 KAIST Mar. 2012 – Jul. 2023 KAIST Mar. 2012 – Jul. 2023 KAIST Advisor: Jac. 2013 Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2012 – Jul. 2023 KAIST Advisor: Jac. 2013 Jul. 2012 – Jul. 2023 Samsung Mobile Experience KAIST Jul. 2022 – Jul. 2023	Teaching Assistant	
[CS564] Data Science Methodology Advisor: Jae-Gil Lee (Outstanding Teaching Assistant Award) [CS564] Data Science Methodology Advisor: Jae-Gil Lee (CS492(D)] Special Topics in Computer Science <introduction &="" (keyboard)="" 16th="" 2013="" 2015="" 2016="" 2021="" 2022="" 2023="" advisor="" advisor:="" amsung="" analyst,="" and="" anomaly="" arts="" autoever="" busking="" cause="" class="" club="" college="" council="" data="" dec.="" detection="" development="" dream="" engineer,="" estimation="" exchange="" exhibitor="" experience="" fair="" fernale="" few-shot="" fitogether="" futsal="" games="" high="" hong="" hyoam="" hyundai="" in="" inc.="" jae-gil="" jul.="" kaist="" kaist<="" kesearch="" kong="" korea="" lee="" ls="" mar.="" mentor="" mentor,="" mobile="" national="" of="" overseas="" postech="" president="" program="" projects="" rc="" rcs="" residential="" root="" samsung="" school="" science="" seoul="" shootart="" software="" student="" students="" students,="" th="" the="" to="" toys="" university="" volunteers="" women's="" work="" –=""><th>[CS360] Introduction to Database</th><th>KAIST</th></introduction>	[CS360] Introduction to Database	KAIST
Advisor: Jac-Gil Lee (Outstanding Teaching Assistant Award) [CS564] Data Science Methodology Advisor: Jae-Gil Lee [CS492(D)] Special Topics in Computer Science <introduction &="" (keyboard)="" 16th="" 2013="" 2016="" advisor="" advisor:="" analyst,="" and="" anomaly="" arts="" autoever="" busking="" cause="" class="" college="" council="" data="" dec.="" detection="" development="" dream="" engineer,="" estimation="" exchange="" exhibitor="" experience="" fair="" feb.="" female="" few-shot="" fitogether="" games="" high="" hong="" hontor,="" hyoam="" hyundai="" in="" inc.="" jac-gil="" kaist="" kaist<="" kong="" korea="" lee="" ls="" mentor="" mentor,="" mobile="" national="" of="" overseas="" postech="" president="" program="" projects="" rc="" research="" residential="" root="" samsung="" school="" science="" seoul="" software="" student="" students="" students,="" th="" the="" to="" toys="" university="" volunteers="" work="" –=""><th>Advisor: Jae-Gil Lee</th><th>Sep. 2023 – Dec. 2023</th></introduction>	Advisor: Jae-Gil Lee	Sep. 2023 – Dec. 2023
COUSTAINTING TEACHING ASSISTANT Award) COUSTAINTING TEACHING ASSISTANT Award) COUSTAINTING TEACH TO THE PROJECTS COUSTAINTING TEACH TO THE PROJECTS COUSTAINTING	[CS564] Data Science Methodology	KAIST
[CS564] Data Science Methodology Advisor: Jae-Gil Lee Sep. 2022 – Dec. 2022 [CS492(D)] Special Topics in Computer Science <introduction data="" science="" to=""> Advisor: Jae-Gil Lee WORK EXPERIENCE Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor RC Volunteers POSTECH Residential College Residential Advisor Iofh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2016 Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Sexchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST</introduction>	Advisor: Jae-Gil Lee	Mar. 2023 – Jun. 2023
Advisor: Jae-Gil Lee [CS492(D)] Special Topics in Computer Science <introduction data="" science="" to=""> Advisor: Jae-Gil Lee Work Experience Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Mentor, Hyoam High School Program Jul. 2015 – Sep. 2016 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Sexchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST</introduction>	(Outstanding Teaching Assistant Award)	
[CS492(D)] Special Topics in Computer Science <introduction data="" science="" to=""> Advisor: Jae-Gil Lee WORK EXPERIENCE Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Mentor, Hyoam High School Program SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor Research Projects Samsung Mobile Experience KAIST KAIST Mar. 2022 – Jun. 2022 Mar. 2026 – Nov. 2015 Jan. 2017 – Dec. 2016 Jan. 2017 – Present Jul. 2021 Jan. 2016 – Dec. 2016 Jan. 2015 – Dec. 2016 Jan. 2015 – Dec. 2015 Jan. 2014, Dec. 2015 Busking (Keyboard) in Seoul Jan. 2014 PROJECTS Research Projects Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST</introduction>	[CS564] Data Science Methodology	KAIST
Mar. 2022 – Jun. 2022 WORK EXPERIENCE Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever Jan. 2017 – Dec. 2017 OTHER EXPERIENCE Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers Mar. 2016 – Dec. 2016 POSTECH Residential College Residential Advisor Feb. 2016 – Dec. 2016 Idh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program Jul. 2015 President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST	Advisor: Jae-Gil Lee	Sep. 2022 – Dec. 2022
WORK EXPERIENCE Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever OTHER EXPERIENCE Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers Mar. 2016 – Dec. 2016 RC Volunteers POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Dec. 2016 President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Samsung Mobile Experience Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST	[CS492(D)] Special Topics in Computer Science <introduction data="" science="" to=""></introduction>	KAIST
Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever OTHER EXPERIENCE Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers Mar. 2016 – Dec. 2016 POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2016 President of the Female Student Council Jan. 2015 – Dec. 2016 Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Software Engineer Jul. 2017 Jan. 2018 – Nov. 2019 Jan. 2018 – Nov. 2019 Jan. 2019 Jan. 2014 – Dec. 2016 Jan. 2017 Jan. 2017 Jan. 2018 PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience	Advisor: Jae-Gil Lee	Mar. 2022 – Jun. 2022
Software Engineer, Hyundai Autoever OTHER EXPERIENCE Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program Jul. 2015 President of the Female Student Council Exchange Students, Korea National University of Arts Jun. 2014 – Dec. 2015 Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST	WORK EXPERIENCE	
Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor I6th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program Jul. 2015 President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST	Data Analyst, Fitogether Inc.	Sep. 2018 – Nov. 2019
Mentor, Hyoam High School Program SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers Mar. 2016 – Aug. 2016 RC Volunteers POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Mentor,	Software Engineer, Hyundai Autoever	Jan. 2017 – Dec. 2017
SHOOTART Women's Futsal Club SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor In the LS University Students Overseas Volunteers Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2017 – Present Jul. 2016 – Aug. 2016 Aug. 2016 – Dec. 2016 Feb. 2016 – Dec. 2016 Jul. 2015 – Sep. 2015 Jul. 2015 – Sep. 2015 Jul. 2015 – Dec. 2015 Jul. 2014 , Dec. 2015 Busking (Keyboard) in Seoul Jan. 2014 Hong Kong Toys & Games Fair 2013 Exhibitor Jul. 2022 – Jul. 2023 KAIST Samsung Mobile Experience KAIST KAIST Samsung Mobile Experience	OTHER EXPERIENCE	
SAMSUNG Dream Class Mentor RC Volunteers Mar. 2016 – Aug. 2016 RC Volunteers Mar. 2016 – Dec. 2016 POSTECH Residential College Residential Advisor 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program Jul. 2015 President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 KAIST Samsung Mobile Experience KAIST	Mentor, Hyoam High School Program	Jul. 2021
RC Volunteers POSTECH Residential College Residential Advisor Feb. 2016 – Dec. 2016 16th LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST	SHOOTART Women's Futsal Club	Jan. 2017 – Present
POSTECH Residential College Residential Advisor 16 th LS University Students Overseas Volunteers Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development KAIST Samsung Mobile Experience KAIST	SAMSUNG Dream Class Mentor	Jul. 2016 – Aug. 2016
16 th LS University Students Overseas Volunteers Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2015 – Sep. 2015 Jan. 2015 – Dec. 2015 Jun. 2014, Dec. 2015 Jan. 2014 Jan. 2014 Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 KAIST KAIST	RC Volunteers	Mar. 2016 – Dec. 2016
Mentor, Hyoam High School Program President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2015 Jan. 2015 Jan. 2014 Jan. 2013 KAIST Samsung Mobile Experience KAIST KAIST KAIST	POSTECH Residential College Residential Advisor	Feb. 2016 – Dec. 2016
President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST KAIST	16 th LS University Students Overseas Volunteers	Jul. 2015 – Sep. 2015
Exchange Students, Korea National University of Arts Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST Samsung Mobile Experience KAIST	Mentor, Hyoam High School Program	Jul. 2015
Busking (Keyboard) in Seoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST Jul. 2022 – Jul. 2023 KAIST	President of the Female Student Council	Jan. 2015 – Dec. 2015
Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST KAIST	Exchange Students, Korea National University of Arts	Jun. 2014, Dec. 2015
PROJECTS Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST	Busking (Keyboard) in Seoul	Jan. 2014
Research Projects Samsung Mobile Experience KAIST - Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST	Hong Kong Toys & Games Fair 2013 Exhibitor	Jan. 2013
Samsung Mobile Experience - Few-shot Anomaly Detection and Root Cause Estimation development Samsung Mobile Experience KAIST Jul. 2022 – Jul. 2023 KAIST	PROJECTS	
- Few-shot Anomaly Detection and Root Cause Estimation development Jul. 2022 – Jul. 2023 Samsung Mobile Experience KAIST	· ·	
Samsung Mobile Experience KAIST		KAIST
	- Few-shot Anomaly Detection and Root Cause Estimation development	Jul. 2022 – Jul. 2023
- Real-time service incident prediction development	Samsung Mobile Experience	KAIST
Test this serves instant prediction as recognism	- Real-time service incident prediction development	Jun. 2021 – Jun. 2022
Samsung SDS Seoul National University	Samsung SDS	Seoul National University
		Aug. 2018 – Jul. 2018
- Platform proposal that provides new value to storage consumers	- Platform proposal that provides new value to storage consumers	

- Hyundai Card/Capital/Commercial Blockchain Platform Construction and Service Task Jun. 2017 – Dec. 2017

Course Projects

[CS575] AI EthicsSolving the Bias in Social Attitude Problem of News Recommendation System	KAIST Spring 2022
[CS470] Introduction to Artificial IntelligenceUnsupervised Anomaly Detection in Time Series with Temporal Context	KAIST Spring 2022
 [CS570] Artificial Intelligence and Machine Learning Time-series anomaly detection via multiresolution ensemble learning 	KAIST Spring 2021
[KSE526] Analytical Methodologies for Big DataWAD: Anomaly detection for ECG data using CNN improved by Wavelet analysis	KAIST Fall 2020
[CS548] Advanced Information Security - Black-box attack using active learning	KAIST Fall 2020

AWARDS AND HONORS

Outstanding Reviewer, KDD 2025 August	2024
Excellence in Character Scholarship, 2024 (₩1,000,000)	2024
Young-Han Kim Global Leader Scholarship, 2024 (₩4,000,000)	2024
School of Computing, KAIST, Outstanding Teaching Assistant Award, 2023 Spring	2023
The Thirty-Seventh AAAI Conference on Artificial Intelligence Scholarship, 2023 (\$500)	2023
Department of Industrial & Systems Engineering, KAIST, Scholarship, 2021 (₩1,000,000)	2021
FIELD Silver Award, Future Industrial Engineering Leaders and Dreamers Camp	2016

REVIEWER SERVICES

Program Committee

- ACM International World Wide Web Conference (WWW): 2024
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD): 2024
- Annual Conference on Neural Information Processing Systems (NeurIPS): 2024
- Asian Conference on Machine Learning Conference Track (ACML): 2024
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD): 2025 August
 - Recognized as an Outstanding Reviewer
- International Conference on Learning Representations (ICLR): 2025
- Artificial Intelligence and Statistics (AISTATS): 2025
- ACM International World Wide Web Conference (WWW): 2025
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD): 2025 February

PROGRAMMING SKILLS

Python(Intermediate), R(Intermediate), Excel(Intermediate), C(Basic), C++(Basic), Java(Basic)