

Youngeun Nam

Motto: “Irreplaceable”

January. 1st 2022

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RESEARCH INTEREST

Data Analysis, Machine Learning, Time Series, Anomaly Detection, Sports Data Analysis

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 (Knowledge Service Engineering)

Mar. 2020 – Feb. 2022

Advisor: Jae-Gil Lee

Pohang University of Science and Technology (POSTECH)

B.S. in Industrial and Management Engineering

Mar. 2013 – Feb. 2017

Cum Laude

PUBLICATIONS

Conferences

[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. 2020.

[2] **Nam, Y.**, Kang, J., Lee, J. “*ActiveBoostThief: Model Extraction Attack Using Reliable Active Learning*”. Korea Computer Congress. 2021.

ACADEMIC EXPERIENCE

Research Internship

Data Mining Lab

Seoul National University

Advisor: Sungzoon Cho

Aug. 2018 – Jul. 2018

Experience Design & Engineering Lab

POSTECH

Advisor: Sungho Han

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) Competition Silver Award	Korea University Aug. 2014
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International Conference for the Integration of Science, Technology and Society ICIST-KAIST Delegates	KAIST Aug. 2014
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Teaching Assistant

Introduction to Data Science Advisor: Jae-Gil Lee	KAIST Mar. 2022 – Jul. 2022(expected)
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WORK EXPERIENCE

Data Analyst, Fitogether Inc.	Sep. 2018 – Nov. 2019
Software Engineer, Hyundai Autoever	Jan. 2017 – Dec. 2017

OTHER EXPERIENCE

Mentor, Hyoam High School Program	Jul. 2021
SHOOTART Women's Futsal Club	Jan. 2017 – Present
SAMSUNG Dream Class Mentor	Jul. 2016 – Aug. 2016
RC Volunteers	Mar. 2016 – Dec. 2016
POSTECH Residential College Residential Advisor	Feb. 2016 – Dec. 2016
16 th LS University Students Overseas Volunteers	Jul. 2015 – Sep. 2015
Mentor, Hyoam High School Program	Jul. 2015
President of the Female Student Council	Jan. 2015 – Dec. 2015
Exchange Students, Korea National University of Arts	Jun. 2014, Dec. 2015
Busking (Keyboard) in Seoul	Jan. 2014
Hong Kong Toys & Games Fair 2013 Exhibitor	Jan. 2013

PROJECTS

Research Projects

Samsung Mobile Experience	KAIST
- Real-time service incident prediction development	Jun. 2021 – present
Samsung SDS	Seoul National University
- Storage-based platform model business idea research project	Aug. 2018 – Jul. 2018
- Platform proposal that provides new value to storage consumers	
Hyundai Card/Capital/Commercial	Hyundai Autoever
- Hyundai Card/Capital/Commercial Blockchain Platform Construction and Service Task	Jun. 2017 – Dec. 2017

Course Projects

[CS570] Advanced Information Security	KAIST
- Time-series anomaly detection via multiresolution ensemble learning	Spring 2021

[KSE526] Analytical Methodologies for Big Data

- WAD: 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

FIELD Silver Award, Future Industrial Engineering Leaders and Dreamers Camp

2016

PROGRAMMING SKILLS

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