

# Youngeun Nam

Motto: “Irreplaceable”

May. 4<sup>th</sup> 2022

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## RESEARCH INTEREST

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

## EDUCATION

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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

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### 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.

[3] 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. 2022.

## ACADEMIC EXPERIENCE

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### 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) Sponsor: 3M Korea, POSCO	POSTECH <i>Sep. 2014 – Dec. 2016</i>
Future Industrial Engineering Leaders and Dreamers (FIELD Camp) Competition Silver Award	Korea University <i>Aug. 2014</i>
International Conference for the Integration of Science, Technology and Society ICIST-KAIST Delegates	KAIST <i>Aug. 2014</i>

## Teaching Assistant

Special Topics in Computer Science<Introduction to Data Science> Advisor: Jae-Gil Lee	KAIST <i>Mar. 2022 – Jul. 2022</i>
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## WORK EXPERIENCE

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

## OTHER EXPERIENCE

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

## PROJECTS

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### Research Projects

Samsung Mobile Experience	KAIST
- Real-time service incident prediction development	<i>Jun. 2021 – Jun. 2022</i>
Samsung SDS	Seoul National University
- Storage-based platform model business idea research project	<i>Aug. 2018 – Jul. 2018</i>
- 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	<i>Jun. 2017 – Dec. 2017</i>

## Course Projects

[CS570] Artificial Intelligence and Machine Learning

KAIST

- Time-series anomaly detection via multiresolution ensemble learning

*Spring 2021*

[KSE526] Analytical Methodologies for Big Data

KAIST

- WAD: Anomaly detection for ECG data using CNN improved by Wavelet analysis

*Fall 2020*

[CS548] Advanced Information Security

KAIST

- Black-box attack using active learning

*Fall 2020*

## AWARDS AND HONORS

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FIELD Silver Award, Future Industrial Engineering Leaders and Dreamers Camp

*2016*

## PROGRAMMING SKILLS

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