Youngeun Nam

Motto: "Irreplaceable" January. 1st 2022

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

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

ICIST-KAIST Delegates Teaching Assistant Introduction to Data Science 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 Mentor, Hyoam High School Program SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor RC Volunteers Mentor, Hyoam High School Program Shul. 2016 – Dec. 2016 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 Scoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Real-time service incident prediction development Samsung SDS Scoul National University Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Autoever	Future Industrial Engineering Leaders and Dreamers (FIELD Camp) Competition Silver Award	Korea University Aug. 2014
Introduction to Data Science 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 Iofh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2016 POSTECH Residential College Residential Advisor Iofh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 President of the Female Student Council Iofh LS University Students Overseas Volunteers Jul. 2015 – Sep. 2015 Busking (Keyboard) in Scoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Real-time service incident prediction development Jun. 2021 – present Samsung SDS Seoul National University Storage-based platform model business idea research project Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Autoever	-	ciety KAIST Aug. 2014
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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 – Aug. 2016 POSTECH Residential College Residential Advisor Feb. 2016 – Dec. 2016 Itôh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 President of the Female Student Council Exchange Students, Korea National University of Arts Busking (Keyboard) in Scoul Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience Real-time service incident prediction development Jun. 2018 – Jun. 2018 – Jun. 2018 Seoul National University Storage-based platform model business idea research project Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Card/Capital/Commercial	Introduction to Data Science	KAIST
Data Analyst, Fitogether Inc. Software Engineer, Hyundai Autoever OTHER EXPERIENCE Mentor, Hyoam High School Program SAMSUNG Dream Class Mentor RC Volunteers POSTECH Residential College Residential Advisor Iofh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Mentor, Hyoam High School Program RC Volunteers POSTECH Residential College Residential Advisor Iofh LS University Students Overseas Volunteers Mentor, Hyoam High School Program Jul. 2015 – Sep. 2015 Mentor, Hyoam High School Program Jul. 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 Real-time service incident prediction development Samsung SDS Seoul National University Seoul National University Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Autoever	Advisor: Jae-Gil Lee	Mar. 2022 – Jul. 2022(expected)
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 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 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 Real-time service incident prediction development Samsung SDS Seoul National University - Storage-based platform model business idea research project - Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Autoever	WORK EXPERIENCE	
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Hong Kong Toys & Games Fair 2013 Exhibitor PROJECTS Research Projects Samsung Mobile Experience KAIST - Real-time service incident prediction development Jun. 2021 – present Samsung SDS - Storage-based platform model business idea research project - Platform proposal that provides new value to storage consumers Hyundai Card/Capital/Commercial Hyundai Autoever	Exchange Students, Korea National University of Arts	Jun. 2014, Dec. 2015
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	Busking (Keyboard) in Seoul	Jan. 2014
Research Projects Samsung Mobile Experience KAIST - Real-time service incident prediction development Jun. 2021 – present Samsung SDS - 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	Hong Kong Toys & Games Fair 2013 Exhibitor	Jan. 2013
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Hyundai Card/Capital/Commercial Hyundai Autoever	- 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 <i>Jun.</i> 2017 – Dec. 2017	- 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 DataWAD: Anomaly detection for ECG data using CNN improved by Wavelet analysis	KAIST Fall 2020
[CS548] Advanced Information Security	KAIST
- Black-box attack using active learning	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)