# 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                                                                    SNU
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)                          KU
Competition Silver Award                                                          *Aug. 2014*

International Conference for the Integration of Science, Technology and Society        KAIST
ICIST-KAIST Delegates                                                             *Aug. 2014*

**Teaching Assistant**
Introduction to Data Science                                                         KAIST
Advisor: Jae-Gil Lee                                                *Mar. 2022 – Jul. 2022(expected)*

## 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*
16th 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                                                                        SNU
- 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                                          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

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)