

# Jihoon Nam

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## Education

### POSTECH(Pohang University of Science and Technology)

PH.D. IN INDUSTRIAL AND MANAGEMENT ENGINEERING

- IDEA Lab (Prof. Hyunbo Cho)

Pohang, S.Korea

Feb. 2023 -

### KNU(Kyungpook National University)

B.S. IN MATHEMATICS, COMPUTER SCIENCE AND ENGINEERING

- Military service, 2018.4-2019.12

Daegu, S.Korea

Mar. 2017 - Feb. 2023

## Research Interests

Predictive Maintenance, Multimodal Deep Learning, Causal Analysis

## Experience

### ETRI(Electronics and Telecommunications Research Institute)

RESEARCH INTERN

- Medical IT Convergence Research Section
- Deep Learning Based ABP(Arterial Blood Pressure) regression project

Daegu, S.Korea

Jul. 2021 - Aug. 2021

### KNU(Kyungpook National University)

UNDERGRADUATE STUDENT RESEARCHER

- Data Science Lab

Daegu, S.Korea

Oct. 2020 - Jun. 2021

## Publications

### Exploring Zero-Shot Data Drift Detection with Large Language Models

MINJOO PARK\*, JIHOON NAM\*, HYUNBO CHO. ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS(APMS) 2025

IFIP

Under Review

### Automated Footwear Surface Inspection System Based on the Deep Learning Object Detection

JAEBONG CHO, JIHOON NAM, HYUNBO CHO. ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS(APMS) 2025

IFIP

Under Review

## Honors & Awards

### AWARDS

- 2022 **2nd Place**, ASME-CIE Hackathon, segmentation and optimization of medical images for digital twin
- 2022 **5th Place**, COVID-19 Cough Classification Competition(5/275)
- 2021 **Excellence Award**, Daegyeong Region Collegiate AI Programming Contest
- 2021 **3rd Place**, MATLAB AI Challenge
- 2021 **Excellence Award**, StartUp Contest
- 2021 **3rd Place**, AI Based BitCoin Trader Competition(3/159)

ASME

DACON

KNU

MathWorks

KNU

DACON

### SCHOLARSHIPS

- 2022 **KNU**, Changan Song Scholarship
- 2022 **Wooseok Cultural Foundation**, Wooseok Cultural Foundation college student Scholarship
- 2021 **KNU**, Scholarship for Multi-major operation revitalization project
- 2021 **KNU**, Scholarship for University Innovation Support Project
- 2021 **KNU**, Regional Leading University Scholarship

# Extracurricular Activity

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## Peer Reviewer for IEEE Transactions on Knowledge and Data Engineering

IEEE

REVIEWER

Feb. 2024 - Present

- <https://www.webofscience.com/wos/author/record/56364208>

## SIGGRAPH Asia 2022 SV Program

SIGGRAPH

STUDENT VOLUNTEER

Dec. 2022

- Participant booth operation assistance and guidance activities

## High School-University Linkage Program

KNU

INSTRUCTOR

Apr. 2021 - Aug. 2021

- Teaching Python programming for Kyunghwa Girls' High School Students

## BART (Bigdata and AI Research Team)

KNU

CORE MEMBER, PRESIDENT AT 2021.6-2022.6

Aug. 2020 - Dec. 2022

- Learned a basic theory of ML and DL
- Conducted the project related to AI and data analysis