

# Subin Yun

ANOMALY DETECTION · DATA SCIENCE

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## Education

### Dong-A University (DAU)

Busan, S.Korea

B.S. IN COMPUTER ENGINEERING, 4TH GRADE

Mar. 2020 - PRESENT

- I received a merit scholarship for excellent grades in my freshman year.
- From May 2021, I started working as an undergraduate research student at the Data Science Lab.
- The part I'm interested in is deep learning-based anomaly data detection, and I'm currently studying related studies.

## Skills

**Programming** Python, C/C++, JAVA

**Platforms** Linux, Git

**Data skill** MySQL, Numpy/Pandas/Matplotlib, Apache Spark

**ML/DL** PyTorch, TensorFlow/Keras, Temporal Convolution Network/Long Short Term Memory

**Web** React, JSP, HTML5, php, javascript, Apache Kafka

**Languages** Korean, English

## Experience

### DAU Data Science Labs

Busan, S.Korea

UNDERGRADUATE RESEARCH INTERN

May. 2021 - Present

- Reading and publishing papers on anomaly detection
- Studying about On-device Learning
- Conducting and assisting research with Prof. Jungkyu Han and Prof. Sejin Chun

### Accelerated Computing Basic Lecture Using CUDA C/C++

Online

THE NVIDIA DEEP LEARNING INSTITUTE TEAM

27. May. 2022 - 27. May. 2022

- Accelerating Applications with CUDA C/C++
- Managing Accelerated Application Memory with CUDA C/C++ Unified Memory and nvprof

### Training using Python and Weka

Busan, S.Korea

ICT INNOVATION SQUARE

18. Jul. 2022 - 8. Aug. 2022

- Including courses from artificial intelligence basics to project practice
- Conducting a team project on the topic of anomaly data detection and presenting it

### Practical training: AI and BigData

Busan, S.Korea

ICT INNOVATION SQUARE

26. Jun. 2023 - 21. Jul. 2023

- Learning theories and practice the knowledge related to AI and big data used in actual work
- Practicing drones that can detect people and move autonomously using OpenCV's trained model
- Individual project progress using chatGPT-based generative AI

### Grand Challenge: AI and BigData

Busan, S.Korea

ICT INNOVATION SQUARE

24. Jul. 2022 - 18. Aug. 2022

- An extension of 'Practical training: AI and BigData training'
- Extracting popular seat information from ticket reservation data using big data analysis knowledge
- Designing models to efficiently utilize data analysis results

## Honors & Awards

### DOMESTIC

2022 **President's Award**, The 10th BI Contest for Utilizing Public Data by the Ministry of Trade, Industry and Energy

S.Korea

2022 **excellence award**, DAU AI SW Creative Convergence DevDay

S.Korea

## False Data Injection Attack Detection in Smart Grid using Temporal Convolutional Autoencoder

HAEBIN LEE, SUBIN YUN, JUNGKYU HAN, AND SEJIN CHUN

*Korean Institute of Information  
Scientists and Engineers, KCC 2023*

*Jun. 2023*