

# Donguk Park

MACHINE LEARNING · RECOMMENDATION SYSTEM · DATA SCIENCE

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## Education

### Dong-A University

COMPUTER SCIENCE AND ENGINEERING

Busan, S.Korea

Mar. 2019 - PRESENT

## Skills

<b>Programming Language</b>	Python, C/C++, JAVA
<b>SW/HW Dev</b>	Unity, Arduino
<b>Framework</b>	Docker, Apache Spark, Pytorch
<b>Operating System</b>	Window, Linux, MacOS

## Research Experience

### DAU Data Science Labs – Undergraduate Research Intern

CONDUCTING AND ASSISTING RESEARCH WITH PROF. JUNGKYU HAN AND PROF. SEJIN CHUN)

- Learning about Recommendation system and Machine Learning

Busan, S.Korea

Mar. 2023 - Present

## Extracurricular Activity

### DAU Computer Engineering Academic Clubs DCA

LEADER

- I have experience leading large groups.
- I learned how to treat people and resolve conflict.

S.Korea

Mar. 2022 - Nov. 2022

### Students' Union

CORE MEMBER

- I learned about the attitude as a follower for a group to run well.

S.Korea

Mar. 2023 - PRESENT

### Busan IT, AI/Big Data Practical Training using python 2023

MEMBER

- Learning Time : 160 hours
- Learned Graph Database and Linux
- Developing a Bayesian Personalized Ranking based Recommendation System

S.Korea

Jun. 2023 - Aug. 2023

### Busan IT, AI/Big Data Practical Training using python 2022

MEMBER

- Learning Time : 160 hours
- Learned Machine-Learning and Deep Learning
- Learned 3D data visualization and practical application methods.

S.Korea

Jun. 2022 - Aug. 2022

## Project Experience

### XGBoost based Knowledge Tracing Model

DETAIL

- Kaggle Competition
- Developing a model that applies Xgboost to the Knowledge tracing technique used in education.

Busan, S.Korea

Mar. 2023 - Jun. 2023

### Business Card Reference Check Service with Natural Language Processing

DETAIL

- hackathon
- Extracted text from business card images and summarized the information by crawling news articles.

Busan, S.Korea

Jun. 2023 - Jun. 2023

## Matrix Factorization Base POI Recommendation System

DETAIL

- using Philadelphia POI Dataset

*Busan, S.Korea*

*Jan. 2023 - Feb. 2023*

## Real-time Analysis and Dockerization of Chimney Data with Apache Spark

DETAIL

- using Factory Chimney Dataset and Dockerization
- Real-time processing of data to generate alert events when a certain number is exceeded

*Busan, S.Korea*

*Aug. 2022 - Nov. 2022*

## Driving Permit Simulation at the Test Site using Unity3D

DETAIL

- First-person in-car driver's license simulator

*Busan, S.Korea*

*May. 2022 - Jul. 2022*

## Honors & Awards

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DOMESTIC

2023    **2nd Award**, Dong-A University DevDay

*Busan, S.Korea*

## References

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### Prof. Jungkyu Han

INTRODUCTION

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence, Email: jkhan@dau.ac.kr

### Prof. Sejin Chun

INTRODUCTION

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence, Email: sjchun@dau.ac.kr