



Jaeseong Son

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“Acta Non Verba.”

Education

Kwangwoon University

B.S. IN INFORMATION CONVERGENCE, MAJOR IN DATA SCIENCE

- Total GPA:3.80/4.5 (Credits taken : 138/133)

Seoul, S.Korea

Mar. 2018 - Feb. 2024(Expected)

Publication

DOMESTIC

- | | | |
|------|---|----------|
| 2023 | ACK2023 , Jae-seong Son, Jae-sung Park.
<i>A study on crowd counting by using commodity WLAN devices.</i> | KIPS |
| 2023 | ACK2023 , Jae-seong Son, Jong-Min Jeong, Jae-sung Park, Sang-Min Lee.
<i>A study on random dilated shapelet transform for classifying multivariate signal data.</i> | KIPS |
| 2023 | ICROS2023 , Jae-seong Son, Dae-hyun Kim, Hong-seob Bae, Jae-sung Park.
<i>Study on a self-driving service through a MEC server.</i> | ICROS |
| 2022 | HCI2022 , Jae-seong Son, Jun-hyuk Kwon, Hyun-soo So, Seok-won Jang, Kyu-dong Park.
<i>Design and development of applications for music cover video production.</i> | HCIKOREA |

Research Experience

Undergraduate Research

UNDERGRADUATE RESEARCHER IN INTELLIGENT DATA, NETWORK, AND AI LAB OF PROF. JAE-SUNG PARK

- Research on Developing AI-enabled networked systems and services.
- Research on WiFi Sensing.

Seoul, S.Korea

Sep. 2022 - present

Project Experience

Defective image generation system for learning/verification using AI model

TEAM MEMBER

- Collaboration project with Hyundai Transys ICT division.
- Project to create images of defective Hyundai Motor transmission parts.
- Studied and implementing various GAN Framework-based models.
- Studied Image processing using OpenCV.
- Dealt with tasks related to images.(Object Detection,Classification)

Seoul, S.Korea

July. 2022 - Jan. 2023

Prediction of defective injection products based on Anomaly Detection

TEAM MEMBER

- Analyzed injection process data set using Python.
- Studied various ML based Anomaly Detection models.(MOG, OCSVM, LOF, KNN etc)
- Wrote a Short paper on this project

Seoul, S.Korea

Sep. 2022 - Dec. 2022

Mail analysis and deletion mail recommendation service based on user mails

TEAM MEMBER

- Using IMAP to gather data.
- Apply the Naïve Bayes model to classify advertising, subscription mail.
- Recommendation of emails to delete by assigning weights based on whether they have been read or not.
- Providing dashboard by analyzing the user's mailbox

Seoul, S.Korea

Aug. 2022 - Sep. 2022

Predicting emergency patients using medical data

TEAM MEMBER

- Using Mimic-iv data.
- Apply various Machine Learning model to predict emergency patients.
- Interpreting Results with XAI.

Seoul, S.Korea
Mar. 2022 - Jun. 2022

Awards & Honors

AWARDS

2022	Encouragement Award , Kwangwoon AI Hackathon (Computer Vision)	Kwangwoon Univ.
2021	Dean's List , for Academic Excellence	Kwangwoon Univ.
2021	Excellence Award , Chambit design semester	Kwangwoon Univ.

HONORS

2023	Micro Module Excellence Scholarships , awarded to students with excellence in micro module	Kwangwoon Univ.
2022	Software Excellence Scholarships , awarded to students with excellence in software	Kwangwoon Univ.
2021	Semester High Honors , awarded to students with high achievements throughout the semester	Kwangwoon Univ.

Teaching

Data Structure

TEACHING ASSISTANTSHIPS

- Course in Department of Information Convergence for sophomore
- Marked assignments and proctored exam

Kwangwoon University, Seoul
Sep. 2023 - Dec. 2023

Computer Network

TEACHING ASSISTANTSHIPS

- Course in Department of Information Convergence for sophomore
- Marked assignments and proctored exam

Kwangwoon University, Seoul
Mar. 2023 - Jun. 2023

Internet of Things System Design and Experiment

TEACHING ASSISTANTSHIPS

- Course in Department of Information Convergence for Junior
- Marked self-driving car programming assignments and proctored exam

Kwangwoon University, Seoul
Mar. 2023 - Jun. 2023

Extracurricular Activity

Venture Startup Academy

PARTICIPANT

- Participated in Venture Startup Academy an intelligent Back-End training course.

Kwangwoon University, Seoul
Mar. 2023 - Dec. 2023

Kwangwoon University's Alumni Association

MEMBER

- Construction and management of Kwangwoon University's Alumni Association Server & Web.

Kwangwoon University, Seoul
Nov. 2021 - Feb. 2022

2018 Hello, Kaggle (Open Seminar)

PARTICIPANT

- Participated off-line workshop on Kaggle and AI techniques managed by DataBreak

Jongno, Seoul
Oct. 2018

Certificates

2023	National Science and Technology Big Data Analysis Article , Korea Data Agency
2023	Engineer Information Processing , Human Resources Development Service of Korea
2023	SQL Developer , Korea Data Agency

Skills

Programming Python, R, C, C++, Java, MySQL, Spark, Android

Deep Learning Pytorch, Keras, Tensorflow

Data Analysis Numpy, Pandas, scikit-learn, Matplotlib, seaborn, Pm4py