JONGHWI KIM

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EDUCATION

Kwangwoon University   Seoul, S.Korea
B.S. in Information Convergence   Mar 2017 - Feb 2023 (Expected)

- Major : Data Science
- Interdisciplinary Course : Financial Engineering & FinTech
- Total GPA : 4.04/4.5 | Major GPA : 4.05/4.5

RESEARCH INTEREST

Natural Language Processing, Machine Learning, Data Analysis, Finance

WORK EXPERIENCE

Artificial Intelligence Research Center of KETI   April 2022 - Present
Part-time Researcher in NLP team   Pangyo, Gyeonggi-do

- Conducted Building Dataset, Refactoring, and Debugging
- Develop Sentiment Analysis Model and Evaluate Model Performance

PROJECT EXPERIENCE

AI-based Empathy Service for Emotional Stability   Apr 2022 - Present
Project Engineer | NIPA Project at AIRC-KETI

- Developing multi-modal based voice chat service
- Conduct refactoring & debugging and experiment on various TTS & STT API

Sentiment Analysis on Stock through the News Articles   Apr 2022 - Present
NLP Model Developer | Capstone Design Project

- Crawling news about stocks in real-time and Providing a positive index through sentiment analysis
- Conducted web scraping on news and summarized the news articles
- Proceeding with data labeling and sentiment analysis using diverse pre-trained models

Prediction of the Ambulance Arrival Time   Nov 2021
Team Leader | Fire Safety Innovation Service Idea Contest

- Built a prototype model for predicting ambulance arrival time using a simple ANN model
- Conducted EDA, preprocessed data and built a simple ANN model

COURSEWORK

Major - Data Science
Machine Learning, AI Mathematics, Data Mining, Text Mining, Database, Data Structure, etc

Interdisciplinary Course - Financial Engineering & FinTech
Econometrics, Time Series Analysis, Mathematical Statistics, Microeconomics, Macroeconomics, etc

AWARDS AND HONORS

Awards

The Excellent Award — Nov 2021
Fire Safety Innovation Service Idea Contest — Korea Fire Safety Big Data Platform

Dean's List — Fall 2019
Academic Excellence Award — Kwangwoon University

Dean's List — Spring 2019
Academic Excellence Award — Kwangwoon University

Honors

Ulsan Dream Scholarship — May 2022
Awarded to academic excellent students from Ulsan — Ulsan Institute for Talent & Lifelong Education

Software Excellence Scholarship — Dec 2019
Awarded to software excellent students in Software Convergence College — Kwangwoon University

1st Place — Fall 2019
Top 1 of 34 undergraduates in the department for the semester — Kwangwoon University

SW Interdisciplinary Course Excellence Scholarship — Fall, Spring 2019
Awarded to academic excellent students in SW Interdisciplinary Course — Kwangwoon University

2nd Place — Fall 2018
Top 2 of 57 undergraduates in the department for the semester — Kwangwoon University

SW Interdisciplinary Course Excellence Scholarship — Fall, Spring 2018
Awarded to academic excellent students in SW Interdisciplinary Course — Kwangwoon University

Academic Excellence Scholarship — Spring 2017
Awarded to academic excellent students in the department — Kwangwoon University

TEACHING EXPERIENCES

SOWON Supporters — Sep 2019 - Dec 2019
Instructor — Nowon Career Center for Youth and Future
- Instructed elementary students in MODI Block Coding

Software Summer School Tutor — Aug 2019
Teaching Assistant — Kwangwoon University
- Assisted with C programming course for freshmen

CERTIFICATATIONS

Big-Data Analysis Engineer — Dec 2021
Korea Data Agency

TOEIC : 775 (LC : 360 | RC : 415) — March 2021
YBM

ADSP (Advanced Data Analytics Semi-Professional) — Dec 2020
Korea Data Agency

MILITARY SERVICE

Social Service Agent — Jan 2020 - Oct 2021
Served at Ok-dong 119 Safety Center — Ulsan, S.Korea

SKILLS

Programming Languages : Python, C++, C
Data Analysis : Pandas, Numpy, Matplotlib, Scikit-learn
Deep Learning Framework : Pytorch