

Taeyoung Kim

☎ (+82) 10-3898-4568 | ✉ kty134679@gmail.com | 📱 kty4119

"Success is not final, failure is not fatal: it is the courage to continue that counts."

Education

Kwangwoon University

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

- Total GPA : 4.02/4.5 (Credits taken : 140/133)

Seoul, S.Korea

Mar. 2018 - Feb. 2024 (Expected)

Publication

DOMESTIC

- 2023 **KCI2023**, Toward understanding learning patterns in an open online learning platform using process mining.
Tae-young Kim, Hyo-min Kim, Min-su Cho

KIIS

Internships

Undergraduate Research

UNDERGRADUATE RESEARCHER IN PROCESS AWARE DATA ANALYTICS LAB(Prof.Min-su Cho)

- Research on Developing a method for analyzing learners' enrollment patterns within an LMS using process mining

Aug. 2022 - present

Project Experience

Automated Reward Points Payment for Photo Reviews using AI Model

TEAM MEMBER

- Team project for course Chabbit design semester of 2023-Spring semester
- Siamese network and media pipe were used to determine whether to pay reserves
- Segment Anything model was used for image preprocessing
- Demo was created using Gradio
- Learned how to apply the AI model to real problems

Seoul, S.Korea

Mar. 2023 - Jun. 2023

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

Spark-based Twitter Streaming Data Emotion Analysis and Topic Modeling

TEAM LEADER

- Term project for course Big Data preprocessing & application of 2022-Fall semester
- Processing Spark streaming data by searching for keywords
- Performing real-time monitoring of the reactions to specific keywords by conducting Topic Modeling and Sentiment Analysis on the data
- Learned how to process and analyze data using Spark

Seoul, S.Korea

Sep. 2022 - Dec. 2022

Prediction of defective injection products based on Anomaly Detection

TEAM MEMBER

- Term project for course AI application of 2022-Fall semester
- Analyzed injection process dataset 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

Seoul, S.Korea

TEAM LEADER

Aug. 2022 - Sep. 2022

- 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 a dashboard by analyzing the user's mailbox

Topic Modeling by rating for [today's house] review for self-employed students

Seoul, S.Korea

TEAM MEMBER

Mar. 2022 - Jun. 2022

- Term project for course Text Mining of 2022-Spring semester
- Sentiment Analysis for rescoring review rates, Topic Modeling was performed by rescoring by household
- Extract topic insights and suggesting future direction for each rating(rescoring)
- Learned Crawling, text tokenizing and vectorization, Deep Learning Model for text classification

Prediction of the Company's bankruptcy risk Project

Seoul, S.Korea

TEAM MEMBER

Mar. 2022 - Jun. 2022

- Term project for course Machine Learning of 2022-Spring semester
- Analyzed Polish corporate financial statement data provided by UCI using Python
- Studied overall flow of Machine Learning and applied various techniques (Supervised Learning, Unsupervised Learning)

Develop routines and planning apps

Seoul, S.Korea

INDIVIDUAL

Sep. 2021 - Dec. 2021

- Individual project for course Mobile Programming of 2021-Fall semester
- Using SQLiteDataBase, Intent, ListItem, and MenuBar for scheduling, deleting, and modifying

Honors & Awards

AWARDS

- 2023 **Encouragement Award**, Chambit design semester
- 2022 **Dean's List**, for Academic Excellence
- 2022 **2nd Place**, Kwangwoon AI Hackation (Computer Vision)

Kwangwoon Univ.

Kwangwoon Univ.

Kwangwoon Univ.

HONORS

- 2023 **Semester High Honors**, Awarded to students with high achievements throughout the semester
- 2022 **Semester High Honors**, Awarded to students with high achievements throughout the semester
- 2021 **FastAPI Contributor**, worked on translating Korean documents

Kwangwoon Univ.

Kwangwoon Univ.

Github.

Teaching

Software Vacation School

Kwangwoon University, Seoul

TEACHING ASSISTANT

Jan. 2023 - Feb. 2023

- Short courses of Python Programming, C Programming in Software Convergence College
- Assisted in programming practice, answered questions in person, and proctored exams

Extracurricular Activity

Deep Learning Study Group

Kwangwoon University, Seoul

MEMBER

Dec. 2022 - present

- Participated in a study group reviewing deep learning and fundamental mathematics that I learned in the 2022 fall semester course Data Analytics
- Reviewed and presented papers related to generative models and language models

Kwangwoon University Student Council

Kwangwoon University, Seoul

MEMBER

Mar. 2018 - Dec. 2018

- Planned an event for the Information Convergence

CoVong (Coding Volunteer Group of Kwangwoon University)

Kwangwoon University, Seoul

MEMBER

Mar. 2018 - Dec. 2018

- Joined university student education donation program in 2018, hosted by the Ministry of Education
- Taught middle school students app-inventor programming as part of KT

ICFC (Inforamtion Convergence Football Club)

CLUB MEMBER

- Participated in soccer matches and learned soccer skills

Kwangwoon University, Seoul

Mar. 2018 - present

Skills

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

Deep Learning Pytorch, Keras, Tensorflow

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

Certifications

Mar.2022 **Advanced Data Analytics Semi-Professional(ADsP)**, Korea Data Agency

Aug.2021 **Korean History Proficiency Test Level-1**, National Institute of Korean History, NIKH

Jul.2021 **Computer Specialist in Spreadsheet & Database Level-1**, Korea Chamber of Commerce and Industry, KCCI