Jimin Go

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Interests

Reasoning, Machine learning, Robotics

Education

Weber State University — Jan. 2024 – Present
Undergraduate Student — Utah, United States

- Bachelor of Science in Management Information Systems
- Total GPA of 3.89 / 4.0 (98.5 / 100)

Incheon National University — Mar. 2021 – Present
Undergraduate Student — Incheon, Korea

- Bachelor of Engineering in Industrial and Management
- Total GPA of 4.41 / 4.5 (99.0 / 100)

Honors and Awards

Elevator Pitch Contest, Weber State University, 2024
Information Systems Game Day Analytics Competition, University of Utah, 2024
Engineering College EATED (Early Taste, Early Decision) Competition, Incheon National University, 2024
Employment-linked Matrix Scholarship, Incheon National University, 2024
The 19th Industrial Engineering Project Competition, Korean Institute of Industrial Engineers (KIIE), 2023
Academic Excellence Scholarship, Incheon National University, 2021, 2022, 2023

Publications

Donghun Lee, Jimin Go, Taehyun Noh, and Seookwoo Song. 2024. Multi-feature representation-based graph attention networks for predicting potential supply relationships. Under-review.

Conferences and Symposiums

Oral Presentations:

Jimin Go, Taehyun Noh, Haeun Lee, and Kwanho Kim. 2023. A study on a method for deciding optimized the number and moving range of hoists. Presented at the *2023 Society for e-business studies* (SEBS 2023).

Poster Presentations:

Jimin Go, Taehyun Noh, and Seokwoo Song. 2024. Autonomous annotations for second-hand e-commerce platforms using generative artificial intelligence. Presented at *the 2024 Fall Research and Engagement Symposium*.

Patent

Kwanho Kim, Jimin Go, and Taehyun Noh. 2024. Cyclic hoist scheduling method, manufacturing method, and cyclic hoist scheduling apparatus using the same. Korean Patent No. 10-2024-0007227.

Research Experiences

Summer Fellows Research Program, Weber State University — May. 2024 - Present
Researcher (Adviser: Seokwoo Song) — Utah, United States

- Examined the impact of generative AI and defect detection technique on a real-world second-hand e-commerce platform, and presented at the 2024 Fall Research and Engagement Symposium
- Implemented a prototype website that provides automated annotations and detects minor defects when a seller uploads product photos using Django, HTML, CSS and JavaScript.

2024 Spring Research and Engagement Symposium, Weber State University — Feb. 2024 – Apr. 2024
Researcher (Adviser: Seokwoo Song) — Utah, United States

- Won an award at the Information game day analytics competition using tweet data related to brands that advertised during the 2024 Super Bowl game time to implement multi-criteria decision-making techniques, including AHP and TOPSIS, as well as social network analysis
- Proposed a method incorporating a deep neural network into a graph neural network model to address the difficulty of identifying which brand a tweet without an explicit brand mention is related to
- Presented at the 2024 Spring Research and Engagement Symposium based on this work

Industrial Intelligence Laboratory, Incheon National University — Nov. 2022 – Dec. 2023
Research Assistant (Adviser: Kwanho Kim) — Incheon, Korea

- Led project on simulation-based integrated operation scheduling system for minimizing cycle time in an electroplating line, and presented at the SEBS 2023 based on am currently working on the paper
- Developed an algorithm to predict the optimal number of carriers and cycle time for electroplating line design: 100% consistency, 25% reduction in the number of carriers, 1.5% decrease in cycle time
- Gave poster presentation on a dynamic simulation platform for multi-building cooling operation at the 2023 Korean Institute of Industrial Engineers Spring Conference (KIIE 2023)

EXTRACURRICULAR

Entrepreneurship Club — Sep. 2024 – Nov. 2024
Individual project — Utah, United States

- Developed a crawler using Python to collect publicly available employment and graduate school admission information for Management Information Systems graduates from Weber State University
- Reduced the time significantly required for information collection in the department
- Currently in discussions to expand the program for collecting and analyzing graduate data to the college level

Entrepreneurship Club — Nov. 2022 – May. 2023
Leader — Incheon, Korea

- Launched a beta service that helps South Korean consumers find the lowest prices for their desired products on various international shopping websites, with the support from the Startup Support Center
- Established a three-step process that combines OpenCV and machine learning to identify whether a product is the same, even if it is sold under different names across various countries and websites
- Built a website that not only compares product prices but also provides an interactive analysis graph showing product price trends by country over time using JavaScript, React, Next.js, and Amazon AWS

TECHNICAL SKILLS

Advanced Python, HTML, CSS, SQL, Django, Windows
Moderate JavaScript, React, Next.js, NodeXL, KNIME
Novice C#, Java, PHP
Framework and Library TensorFlow, YOLO, OpenAI API, OpenCV, Tkinter, and many others

LANGUAGE

Fluent in **English** and Native in **Korean**

REFERENCES

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