Jimin Go

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Interests

Advanced semiconductor packaging, Electronic Design Automation (EDA), Machine Learning

Education

Arizona State University — Aug. 2025 – Present
Graduate Student — Arizona, United States

- Doctor of Philosophy in Computer Engineering

Weber State University — Jan. 2024 – Apr. 2025
Undergraduate Student — Utah, United States

- Bachelor of Science in Management Information Systems
- Total GPA of 3.93 / 4.0 (99.1 / 100)
- Top 10 percent of undergraduate students in the Goddard School of Business & Economics

Incheon National University — Mar. 2021 – Aug. 2025
Undergraduate Student — Incheon, Korea

- Bachelor of Engineering in Industrial and Management
- Total GPA of 4.41 / 4.5 (99.0 / 100)
- Recipient of Presidential Award (Ranked 1st in the College of Engineering)

Honors and Awards

Presidential Award, Incheon National University, 2025
Goodard Scholar, Weber State University, 2025
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, Taehyun Noh, Jimin Go, In-Beom Park, and Kwanho Kim. 2025. ElectroTwin: A digital twin-driven framework for designing and scheduling in electroplating facilities. Under review.

Donghun Lee, Jimin Go, Taehyun Noh, and Seookwoo Song. 2025. Multi-feature representation-based graph attention networks for predicting potential supply relationships in a large-scale supply chain network, *Expert Systems with Applications*, 292, 128593. [pdf]

Conferences and Symposiums

Oral Presentations:

Jimin Go, Taehyun Noh, Donghun Lee, and Seokwoo Song. 2025. Autonomous annotations for second-hand E-commerce platform using Generative Artificial Intelligence. Presented at the *2025 Korean Chapter of the Association for Information Systems* (KrAIS 2025).

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.

Work Experiences

Research Assistant - SHIELD-USA Project Aug. 2025 – Present
Arizona State University Arizona, United States

- Supporting research in EDA tool application for advanced packaging and 3DIC integration, including tasks such as floorplanning, routing, and package-level verification
- Assisting in the use of design rule checks to enable reliable chiplet and package co-design
- Contributing to the SHIELD-USA initiative by researching EDA-enabled methodologies that support heterogeneous integration, advanced packaging, and 3DIC system design.

Teaching Assistant – Management Information Systems Jan. 2025 – May. 2025
Weber State University Utah, United States

- Assisted in teaching undergraduate courses: MIS 2010 (Business Computer skills), MIS 2030 (Introduction to Business Analytics), and MIS 2040 (Business Analytics with Python)
- Supported students by answering questions and providing guidance on Excel, Tableau, KNIME, SQL, and Python.

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 techniques 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.
- Currently working on a manuscript aimed for submission to the *Decision Support Systems*

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

- Led project on a simulation-based integrated operation scheduling system for minimizing cycle time in an electroplating line, and presented at the SEBS 2023
- 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)

Technical Skills

Programming Languages Python, SQL, Tcl, C#, Java, PHP,
Web Development HTML, CSS, JavaScript, Django, React, Next.js
Frameworks & Libraries Tensorflow, YOLO, OpenAI API, OpenCV, Tkinter, and many others
Tools & Software Tableau, KNIME, DIC Compiler, IC Validator, StarRC, Git
Operating Systems Windows, Linux, Unix

Language

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

References

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Assistant Professor Email: lkhwang@asu.edu

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Ira A. Fulton School of Engineering
Arizona State University

Seokwwo Song Phone: +1-801-626-6462
Professor, Chair Email: seokwoosong@weber.edu

Department of Supply Chain & Management Information Systems
College of Goodard Business School
Weber State University