

# JANE SHIN

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KAIST Seoul Campus, 85 Hoegi-ro, Dongdaemun-gu, Republic of Korea

## EDUCATION

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**KAIST College of Business**, Seoul, South Korea

Master of Science in Management Engineering

Feb. 2024-Feb. 2026 (Expected)

Advisor: *Professor Wonseok Oh*

**Carnegie Mellon University, AI Intensive Program**, Pittsburgh, United States

Visiting Scholar

Jan. 2025-Jul. 2025

School of Computer Science

**Korea University**, Seoul, South Korea

Bachelor of Business Administration

Mar. 2019-Aug. 2023

Interdisciplinary Major in Brain and Cognitive Science

(GPA: 4.24/4.5)

## RESEARCH INTERESTS

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Economics of IT, Privacy, Platform Moderation, Responsible AI

Econometrics, Causal Inference, Machine Learning, Multimodal Analysis

## RESEARCH EXPERIENCE

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**Multimodal Perspective on Engagement and Deception in Digital Native Advertising**, KAIST

*Supervised by Professor Wonseok Oh*

June 2024-Present

- Explored how native ad-article resemblance affects consumer deception applying regression models.
- Quantified text and image resemblance by calculating cosine similarity of VGG and BERT embeddings.

**Long Term Economics of Privacy Regulation**, CMU Heinz

*Supervised by Professor Alessandro Acquisti*

Apr. 2025-Present

- Constructed a longitudinal U.S. dataset (2004-2020) on state privacy laws and health information exchanges.
- Conducted fixed-effects panel regressions comparing the short- and long-term impacts of privacy regulation on HIE formation.

**Regulating AI Generated Content: When do Restrictions Spark or Stifle Reddit Communities**, KAIST

*Supervised by Professor Wonseok Oh, Professor Donghyuk Shin*

Jul. 2025-Present

- Investigated the impact of AIGC regulation rules on user engagement and content diversity.
- Quantified text and image content diversity metrics using BLIP embeddings.
- Identified causal impact of regulation applying staggered Difference-in-Difference design.

## CONFERENCE PRESENTATIONS

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**Regulating AIGC: When do Restrictions Spark or Stifle Community Dynamics?**

- Workshop on Information Systems and Economics (WISE), United States (Scheduled) Dec. 2025
- The Korea Society of Management Information Systems (KMIS), South Korea (Best Paper Award) Nov. 2025

**Economics of Deception and Privacy in Native Online Advertising**

- Workshop on Information Systems and Economics (WISE), Thailand Dec. 2024

## HONORS AND AWARDS

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- The Korea Society of Management Information Systems (KMIS), Best Paper Award Nov.2025
- Academic Excellence Award, Dean's List (Top 10%), KAIST Mar.2025
- KU Academic Special Scholarship, Korea University Mar.2023
- KUBS Scholarship (SK Social Value), Korea University Sep.2020

## WORK AND TEACHING EXPERIENCE

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### **KAIST Finance MBA Financial Big Data Course**, Seoul, South Korea

*Teaching Assistant*

Summer 2024

- Assisted students with hands-on financial data analysis using python.

### **Lunit, Inc.**, Seoul, South Korea

*Strategy Intern*

Sep. 2021-Feb.2022

- Developed strategies to enter the B2C medical imaging market for breast cancer patients.
- Managed data privacy compliance and regulatory sandbox approaches.

### **Ewha Womans University Brain Institute**, Seoul, South Korea

*Research Intern*

Feb. 2021

- Assisted in organizing data from 1,000 research participants through cognitive experiments.
- Conducted practical demonstrations of biosignal collection techniques, including EEG, eye-tracking and CT.

## EXTRA CURRICULAR ACTIVITIES

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### **Digital Twin for a Freight Forwarding Warehouse Facility Capstone**, Carnegie Mellon University

*Frontend Developer / Data Analyst*

Jan.2025-Jul.2025

- Developed a React-based frontend interface for the Smart Warehouse Management System, integrating AWS backend services via secure API key authentication.
- Analyzed warehouse workflow data to optimize processing time, space utilization, and inventory management.

### **CaseIT MIS Case Competition**, Simon Fraser University

*Team Leader*

Feb. 2023

- Participated as a school representative and advanced to the semifinals, presenting a gaming market entry strategy for 1Qbit's 3D diffusion model.
- Delivered the presentation to a panel of Microsoft executives and Vancouver city council members.

### **Information Technology Society**, Korea University

*Vice President*

Mar.2021-June.2022

- Led a student organization focused on information technology.
- Organized a peer-teaching curriculum covering AI, IoT, Blockchain, and Cloud computing.

## SELECTED COURSEWORK

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**Korea University:** Principles of Economics I/II, Algorithms, Engineering Mathematics

**KAIST:** Econometrics, Statistical Analysis Methods, Panel Data Econometrics, Research Methods in Behavioral Science

**Carnegie Mellon University:** Large Scale Media Analysis, Application of Artificial Intelligence

## SKILLSETS AND OTHERS

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**Technical Skills:** Python (scikit-learn, PyTorch, TensorFlow), Stata, R, SQL, React

**Languages:** English (Fluent), Korean (Native), Chinese (Intermediate; HSK 6)

**Hobbies:** Hiking, Cooking, Exploring museums