

INSU CHOI, Ph.D.

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CURRENT POSITION

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|---|--------------------------------|
| Assistant Professor, Gachon University | March 2026 – Present |
| Big Data Business Management Major, Department of Finance and Big Data, College of Business | |
| Assistant Professor, Dongduk Women's University | September 2025 – February 2026 |
| Division of Business Administration, College of Business | |

RESEARCH INTERESTS

Financial Data Science | Business Analytics | Data-Informed Decision Making

EDUCATION

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|--|-------------------------------|
| Ph.D., Industrial and Systems Engineering, KAIST | March 2021 – February 2025 |
| • Dissertation Award: 11th Best Doctoral Dissertation, Korean OR & MS Society | |
| • Advisor: Prof. Woo Chang Kim | |
| M.S., Industrial and Systems Engineering, KAIST | February 2018 – February 2021 |
| • Thesis Award: 17th Best Master Thesis, Korea Institute of Industrial Engineers | |
| B.E., Industrial and Management Systems Engineering, Kyung Hee University | March 2013 – February 2018 |
| • Valedictorian, College of Engineering (GPA: 4.42/4.5) | |

SELECTED PUBLICATIONS

20+ peer-reviewed journal articles in SSCI/SCIE indexed journals. Selected highlights:

- Knowledge-Based Systems (2024) – ETF price forecasting with xAI [SCIE, Top 13.5%]
- International Review of Financial Analysis (2024) – Risk forecasting for metals [SSCI, Top 2.4%]
- International Review of Economics & Finance (2024) – Information transfer networks [SSCI, Top 9.6%]
- Engineering Applications of Artificial Intelligence (2024) – Deep clustering [SCIE, Top 2.5%]
- Research in International Business and Finance (2023) – Downside risk estimation [SSCI, Top 4.5%]

SELECTED RESEARCH PROJECTS

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|---|---------------------|
| Principal Investigator – Portfolio Risk Assessment with Explainable AI | May 2025 – Sep 2025 |
| Korea Institute of Public Finance | |
| Project Leader – Foreign Currency Asset Management Impact Analysis | Nov 2023 – Jul 2024 |
| Bank of Korea | |
| Project Leader – Financial Data-Driven Market Valuation Model | Aug 2021 – Dec 2023 |
| Shinhan Bank | |
| Researcher – AI-Based Anomalous Transaction Detection | Jul 2021 – Dec 2024 |
| Korea Exchange | |

PROFESSIONAL SERVICE

Reviewer: International Review of Financial Analysis, Finance Research Letters, Knowledge-Based Systems, Machine Learning with Applications, Annals of Operations Research, and 20+ journals

TEACHING EXPERIENCE

- Algorithmic Trading (DIGB441) – Korea University Sejong Campus (2025–2026)
- Financial Engineering (IE329), Engineering Economics (IE201) – Kyung Hee University (2024)
- Introduction to Financial Engineering, Applied Statistics – Kangnam University (2025–2026)
- Financial Artificial Intelligence (IE471) – KAIST, Teaching Assistant (2022–2024)