

DOYEON KIM

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📍 Seoul, Republic of Korea

EDUCATION

Seoul National University, Korea Master in Business Administration (Concentration in Finance) <i>Advisor: Professor Jongsub Lee (4.1/4.3)</i>	<i>Mar 2024 - Feb 2027</i>
Ewha Womans University, Korea Bachelor in Computer Science and Engineering <i>Magna Cum Laude (3.87/4.3)</i>	<i>Mar 2018 - Aug 2023</i>

RESEARCH INTERESTS

Corporate Finance and Governance, Machine Learning, Cryptocurrency, Inequality

RESEARCH EXPERIENCE

Stablecoins as an Arbitrage Channel <i>Master's Thesis</i> – Studies limits to arbitrage in cross-border crypto markets (market segmentation, capital controls, and government/regulatory risk).	<i>Feb 2026</i>
Learning Production Process Heterogeneity: Implications of Deep Learning for Corporate M&A Decisions (Lee and Yun, 2024) <i>Research Assistant</i> – Developed weight-relationship visualizations to diagnose shared representations and identify pruning candidates.	<i>July 2025 - Present</i>
DAO Governance (Jongsub Lee, Jungsuk Han, Tao Li, 2023) <i>Research Assistant</i> – Analyzed voting behavior and proposal outcomes in decentralized autonomous organizations (DAOs).	<i>July 2024 - Present</i>
AXI for Korean Bond Market Data <i>Research Assistant</i> – Constructed an alternative index for the Korean bond market using primary issuance and secondary trading data.	<i>Mar 2024 - Present</i>
National Pension Fund Activism: Proxy Voting and Investment Strategies (Joh, Kim and Choi, 2025) <i>Main Researcher</i> – The National Pension Service's (NPS) active voting at shareholder meetings correlates with its investment strategy. – Firms facing NPS opposition see reduced portfolio weight, especially those with lower ESG ratings.	<i>Jul. 2024 - Jan. 2025</i>

RELEVANT COURSES

* Master/Ph.d Courses

Economics and Finance

Advanced Microeconomics 1*	<i>A (26-1)</i>	Studies in Investments*	<i>A</i>
Studies in Econometrics*	<i>A (26-2)</i>	Studies in Derivatives*	<i>A+</i>
Applied Microeconomics*	<i>A</i>	Studies in Corporate Finance*	<i>A-</i>
Studies in Financial Machine Learning*	<i>A</i>	Studies in Portfolio Management*	<i>A+</i>
Methodology of Financial Research*	<i>A+</i>	Data Analytics for Social Sciences and Business*	<i>A+</i>
Macroeconomics	<i>A(26-S)</i>	Seminars in Investments*	<i>A+ (26-2)</i>

Computer Science and Mathematics

Computer Network	A+	Calculus	A
Machine Learning	A	Linear Algebra 1	A
Programming Language	A+	Discrete Mathematics	A
Big Data Application	A	Differential Equations	A+ (26-1)
Algorithms	B+	Numerical Analysis	A+
Computer Architecture	A	Causal Inference in Social Science*	A+ (26-2)

Topics in Information Studies: Trends in Deep Generative Models*
A(26-1)

TEACHING ASSISTANT

Seoul National University * Eng Only Courses

Financial Management (24-2, 25-1, 26-1), Financial Derivatives (CBA; 25-2, MBA; 24-W*, 26-S), Financial Derivatives and Risk Management (EMBA; 25-2) Fixed Income Securities (EMBA; 25-2)

PROJECTS

Real-Time Scrapping: Korea Bond Market Data

- Issuance data in Primary Market and Real-Time Trading data in Secondary Market
- Data Source: Korea Financial Investment Association

Mar 2024 - Present

SKILLS

- **Statistics:** Python, STATA, SAS
- **Machine Learning:** Pytorch, TensorFlow, OpenCV
- **Database Management:** Neo4j, DuckDB, PostgreSQL, Redis

OTHER EXPERIENCE

Junior Ombudsman in Seoul National University

Apr. 2025 - Dec. 2025

Researcher, hosted by Human Rights Center

- Web Accessibility of University Administration Site

Agriculture Technology Lab. in Sejong University

Jul. 2022 - Jun. 2023

Researcher, advised by Professor Hyunkwon Suh

- Computer Vision and Time Series Machine Learning for Greenhouse Automation
- Reinforcement Learning for Simulator of Agricultural Processes

NEXTLab

Mar. 2022 - Jun. 2022

Intern, Department of Intelligence Automation Service

- Developed Wanted Vehicle License Plate Detection System Using LRPNet
- Implemented Automated Data Transfer to an FTP Server Via Asynchronous Socket Communication

Human Computer Interaction Lab. in Ewha Womans University

Dec. 2020 - Feb. 2021

Intern, advised by Professor Uran Oh

- iOS App Development for Blinded Students