

# DOYEON KIM

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📍 Seoul, Republic of Korea

## EDUCATION

<b>Seoul National University, Korea</b> Master in Business Administration (Concentration in Finance) <i>Advisor: Professor Jongsub Lee (3.68/4.3)</i>	<i>Mar 2024 - Feb 2027</i>
<b>Ewha Womans University, Korea</b> 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

<b>Stablecoins as an Arbitrage Channel</b> <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>
<b>Learning Production Process Heterogeneity: Implications of Deep Learning for Corporate M&amp;A Decisions (Lee and Yun, 2024)</b> <i>Research Assistant</i> – Developed weight-relationship visualizations to diagnose shared representations and identify pruning candidates.	<i>July 2025 - Present</i>
<b>DAO Governance (Jongsub Lee, Jungsuk Han, Tao Li, 2023)</b> <i>Research Assistant</i> – Analyzed voting behavior and proposal outcomes in decentralized autonomous organizations (DAOs).	<i>July 2024 - Present</i>
<b>AXI for Korean Bond Market Data</b> <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>
<b>National Pension Fund Activism: Proxy Voting and Investment Strategies (Joh, Kim and Choi, 2025)</b> <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*	B+	Studies in Investments*	A
Studies in Econometrics*	C+	Studies in Derivatives*	A+
Applied Microeconomics*	A	Studies in Corporate Finance*	A-
Studies in Financial Machine Learning*	A	Studies in Portfolio Management*	A+
Methodology of Financial Research*	A+	Data Analytics for Social Sciences and Business*	A+

### 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	C+
Algorithms	B+	Numerical Analysis	A+
Computer Architecture	A		

## TEACHING ASSISTANT

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### 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

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### Real-Time Scrapping: Korea Bond Market Data

- Issuance data in Primary Market and Real-Time Trading data in Secondary Market *Mar 2024 - Present*
- Data Source: Korea Financial Investment Association

## SKILLS

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

## OTHER EXPERIENCE

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### Junior Ombuspersion 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