

# DOYEON KIM

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📍 Seoul, Republic of Korea

## EDUCATION

### Seoul National University, Korea

Master in Business Administration (Concentration in Finance)

Advisor: Professor Jongsub Lee

Mar 2024 - Feb 2027

### Ewha Womans University, Korea

Bachelor in Computer Science and Engineering

Magna Cum Laude

Mar 2018 - Aug 2023

## RESEARCH INTERESTS

Corporate Finance and Governance, Machine Learning, Cryptocurrency, Inequality

## RESEARCH EXPERIENCE

### CEX Arbitrage Premium

Master's Thesis

- Limits to Arbitrage   Market Segmentation   Government Risk

Feb 2026

### ???

Personal Thesis

- Web Accessibility   Legal Risk   Firm Value

Feb 2026

### Learning Production Process Heterogeneity: Implications of Deep Learning for Corporate M&A Decisions (Lee and Yun, 2024)

Research Assistant

- Built Weight-Relationship plots to show shared features and pruning candidates

July 2025 - Present

### DAO Governance

Research Assistant

- Examined Voting Behavior in Decentralized Autonomous Organizations

July 2024 - Present

### AXI for Korean Bond Market Data as a SOFR Substitute

Research Assistant

- Constructed a Korean bond market alternative index (AXI) from primary issuance and secondary trading data.

Mar 2024 - Present

## WORK EXPERIENCE

### Pre-doc

Researcher, ????

- ??? Fed, UChicago, Harvard, MIT, NYU, Stanford, Wharton ... if possible

Winter 2026...

### Agriculture Technology Lab. in Sejong University

Researcher, advised by Professor Hyunkwon Suh

- Computer Vision and Time Series Machine Learning for Greenhouse Automation

- Reinforcement Learning for Simulator of Agricultural Processes

July 2022 - June 2023

### NEXTLab

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

Mar 2022 - Jun 2022

### Human Computer Interaction Lab. in Ewha Womans University

Intern, advised by Professor Uran Oh

- iOS App Development for Blinded Students

Dec 2020 - Feb 2021

HONORS AND AWARDS

<b>Scholarship for International Ph.D</b> ???	<i>Apr 2026...</i>
- Issued by ???	
<b>PetFinder.my - Popularity Contest</b> <i>Bronze Medal (274th/3,537)</i>	<i>Nov 2021</i>
- Issued by Kaggle	
- Awarded during Google Machine Learning Bootcamp	

PROJECTS

<b>Python Library for Panel Data Regression</b>	
- Utilized <code>statsmodels</code> for fixed-effects estimation on multi-entity time-series datasets.	
<b>Real-Time Scrapping: Korea Bond Market Data</b>	
- Issuance data in Primary Market and Real-Time Trading data in Secondary Market	<i>Mar 2024 - Present</i>
- Data Source: Korea Financial Investment Association	

SKILLS

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

SELECTED COURSES

<b>Economics</b>		<b>Finance</b>	
- Advanced Microeconomics 1	26-1(B+)	- Studies in Investments	A
- Advanced Microeconomics 2	25-2	- Studies in Corporate Finance	A-
- Studies in Econometrics	25-2	- Studies in Derivatives	A+
- Applied Microeconomics	25-2	- Studies in Financial Machine Learning	A
- Behavior Economics	26-1 or 26-2	- Studies in Portfolio Management	A+
<b>Computer Science</b>		<b>Mathematics &amp; Statistics</b>	
- Computer Network	A+	- Calculus	A
- Machine Learning	A	- Linear Algebra 1	A
- Programming Language	A+	- Discrete Mathematics	A
- Big Data Application	A	- Differential Equations	25-W(C+)
- Computer Architecture	A	- Numerical Analysis	A+
- Software Engineering	A	- Mathematical Analysis	25-2
- Algorithms	B+	- Measure Theory and Probability Analysis	26-1
- Operating System	B+	- Financial Mathematics 1	26-2
		- Simulation	26-2
		- Data Analytics for Social Sciences and Business	A+