DOYEON KIM

 github.com/lazybuttrying dodev0987@snu.ac.kr
 Seoul, Republic of Korea

EDUCATION

Seoul National University, Korea   *Mar 2024 - Feb 2027*
Master in Business Administration (Concentration in Finance)
Advisor: Professor Jongsub Lee (3.68/4.3)

Ewha Womans University, Korea   *Mar 2018 - Aug 2023*
Bachelor in Computer Science and Engineering
Magna Cum Laude (3.87/4.3)

RESEARCH INTERESTS

Decentralized Governance, Machine Learning, Cryptocurrency, Inequality

RESEARCH EXPERIENCE

Stablecoins as an Arbitrage Channel   *Feb 2026*
Master's Thesis
– Studies limits to arbitrage in cross-border crypto markets (market segmentation, capital controls, and government/regulatory risk).

Learning Production Process Heterogeneity: Implications of Deep Learning for Corporate M&A Decisions (Lee and Yun, 2024)   *July 2025 - Present*
Research Assistant
– Developed weight-relationship visualizations to diagnose shared representations and identify pruning candidates.

DAO Governance (Jongsub Lee, Jungsuk Han, Tao Li, 2023)   *July 2024 - Present*
Research Assistant
– Analyzed voting behavior and proposal outcomes in decentralized autonomous organizations (DAOs).

AXI for Korean Bond Market Data   *Mar 2024 - Present*
Research Assistant
– Constructed an alternative index for the Korean bond market using primary issuance and secondary trading data.

National Pension Fund Activism: Proxy Voting and Investment Strategies (Joh, Kim and Choi, 2025)
Main Researcher   *Jul. 2024 - Jan. 2025*
– 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.

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+
Embedded System Design	A+		
Computer Architecture	A		

TEACHING ASSISTANT

* English Only Courses

Ewha Womans University
IT Convergence Design (20-1)

Seoul National University
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   *Mar 2024 - Present*
- Data Source: Korea Financial Investment Association

SKILLS

- **Statistics:** Python, STATA, SAS

- **Machine Learning:** Pytorch, TensorFlow, OpenCV

- **Database Management:** Neo4j, DuckDB, PostgreSQL, Redis

OTHER EXPERIENCE

Junior Ombusperson 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