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

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

RESEARCH INTERESTS

Corporate Finance and Governance, Machine Learning, Cryptocurrency, Inequality

RESEARCH EXPERIENCE

CEX Arbitrage Premium   *Feb 2026*
Master's Thesis
- Limits to Arbitrage   Market Segmentation   Government Risk

Learning Production Process Heterogeneity: Implications of Deep Learning for Corporate M&A Decisions (Lee and Yun, 2024)   *July 2025 - Present*
Research Assistant
- Built Weight-Relationship plots to show shared features and pruning candidates

DAO Governance (Jongsub Lee, Jungsuk Han, Tao Li, 2023)   *July 2024 - Present*
Research Assistant
- Examined Voting Behavior in Decentralized Autonomous Organizations

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

TEACHING ASSISTANT

Seoul National University
Financial Management (24-2, 25-1), Investments (25-1), Financial Derivatives (MBA; 24-W)

RELEVANT COURSES

Economics and Finance

Advanced Microeconomics 1*	*B+*	Studies in Investments*	*A*
Studies in Corporate Finance*	*A-*	Studies in Derivatives*	*A+*
Studies in Financial Machine Learning*	*A*	Studies in Portfolio Management*	*A+*
Methodology of Financial Research*	*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*	Data Analytics for Social Sciences and Business*	*A+*

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:** SAS, Python

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

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

OTHER EXPERIENCE

Agriculture Technology Lab. in Sejong University   *July 2022 - June 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