

Ji Hoon Park

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Education

Ulsan National Institute of Science and Technology (UNIST) <i>M.S. in Management Engineering</i>	Expected Aug. 2027 <i>Ulsan, Republic of Korea</i>
South Dakota State University <i>B.S. in Data Science; Minor in Mathematics</i>	May 2025 <i>Brookings, SD, USA</i>

Research Interests

Auditing; Financial Reporting and Corporate Disclosure; Corporate Governance; Political Economy; Empirical Capital Markets; Econometrics and Causal Inference; Machine Learning in Accounting

Working Papers & Selected Research

Largest-Shareholder Ownership and Post-Filing Corrections: Monitoring, Detection, and Disclosure <i>Working paper with Saiah Lee, UNIST</i> - Reconstructed versioned annual-report histories from Korea's OpenDART system, producing a verified panel of 4,482 firm-years from 672 listed nonfinancial firms over 2018–2024. - Examines ownership concentration and post-filing corrections using fixed-effects, lagged-variable, within-between, placebo, and sensitivity analyses, with particular attention to monitoring, detection, disclosure incentives, and identification limits.	2026
Designing Alliance Contracts under Uncertainty: Indexation, Renegotiation Risk, and the U.S.-ROK Special Measures Agreement <i>Solo-authored working paper; SSRN 7105059; doi:10.2139/ssrn.7105059</i> Studies the U.S.-ROK defense cost-sharing agreement as an incomplete contract, combining institutional analysis with contribution and inflation data to examine indexation, renegotiation risk, and contractual adaptation.	2026

Selected Research Outputs & Presentations

Identification of Age-Related Genes in Skeletal Muscle Using Ensemble Machine Learning Zenodo; GTEx transcriptomic data and XGBoost-based ensemble methods.	2025
Creating a User-friendly Shiny App for Reproducible Two-Sample Mendelian Randomization Studies Invited presentation, SDSU Data Science Symposium; with Frederick Joseph Boehm.	2025

Research Experience

Graduate Research Assistant

Ulsan National Institute of Science and Technology (UNIST)

Sep. 2025 – Present

Ulsan, Republic of Korea

- Collect, clean, merge, and analyze large-scale financial and economic datasets; apply econometric and machine-learning methods and prepare reproducible empirical analyses for faculty-led research.

Rising Scholar

Massachusetts Institute of Technology (MIT)

Sep. 2024 – Mar. 2025

Cambridge, MA, USA

- Applied graph neural networks and protein language models to biological and gene-expression datasets and supported computational research pipelines.

Undergraduate Research Assistant

South Dakota State University

Oct. 2022 – Jan. 2024

Brookings, SD, USA

- Contributed to iDEP and computational biology projects involving data preprocessing, statistical analysis, visualization, and reproducible workflows.

Teaching Experience

Teaching Assistant, Undergraduate Data Science Project

Ulsan National Institute of Science and Technology (UNIST)

2026 – Present

Ulsan, Republic of Korea

- Mentor undergraduate students in a FinBERT-based FOMC sentiment project involving NLP, data processing, macroeconomic analysis, and dashboard development.

Teaching Assistant, Medlytics Program

MIT Beaver Works

Jun. 2024 – Aug. 2024

Cambridge, MA, USA

- Taught Python, statistics, and machine-learning applications in healthcare and supported student data-science projects.

Leadership & Service

President, U-SPECK (ROK-U.S. Alliance Leadership Program)

Korea-U.S. Alliance Foundation (KUSAF)

Apr. 2026 – Present

Seoul, Republic of Korea

- Lead research and policy activities on the ROK-U.S. alliance, political economy, economic security, and institutional design.

President, Data Science Club

South Dakota State University

May 2024 – Apr. 2025

Brookings, SD, USA

- Led workshops, invited academic and industry speakers, and organized collaborative quantitative projects.

Honors & Awards

Full Government Scholarship Recipient

Second Prize, AI Challengers Program, UNIST

Breakout Room Hero Award, MIT Medlytics

UNIST

2025

2024

Technical Skills

Programming & Data: Python, R, SQL, MATLAB, LaTeX; Pandas, NumPy, Scikit-learn, XGBoost, R/Shiny, FinBERT.

Methods: Panel-data econometrics, fixed effects, time-series analysis, machine learning, deep learning, NLP, robustness and sensitivity analysis, reproducible workflows.

Languages: Korean (native); English (fluent).

Additional Professional Experience

Data Analyst, Republic of Korea Navy Headquarters

Mar. 2020 – Dec. 2021

Analyzed logistics and operational data to support decision-making and resource allocation.