YONGJIN KANG

rouxist@hanyang.ac.kr ⋄ Github

Last updated: May 2025

EDUCATION

Hanyng University, Seoul, Korea　　　　　　　　　　　　　　　*(Expected) Mar 2022 - Feb 2026*

B.S. in Data Science (2nd major: Economics&Finance)

Overall GPA: 4.39/4.5, Major GPA: 4.37/4.5 (credits taken: 128, as of May 2025)

WORKING PAPERS

Enhancing Commodity Factor Strategies with Deep Learning: Evidence from Basis-Momentum　　Journal of Futures Markets
*Sungwoo Park, **Yongjin Kang**, Soobeen Kim, Hyoung-Goo Kang*　　　　　　　　　　　*[paper]*

· *Submitted to Journal of Futures Markets.*
· Trained LSTM, Transformer on indicators derived from commodity futures price data and evaluated performance.

WORK IN PROGRESS

Research Assistant　　　　　　　　　　　　　　　　　　　　　　Jul 2024 - Present
Advised by professor Seunghwa Rho　　　　　　　　　　　　　　　　　　　　*[code]*

· Implemented a **Generalized Random Forest**(GRF) model from scratch to perform **quantile regression** using **Smoothed Estimating Equation**.

PROJECTS

Keyword extraction from Mathematics question using LLM Zero-Shot　　　　Sep 2024 - Dec 2024
*Group project in **'Human-Computer Interaction'** course, Fall 2024*　　*[code] [demo video] [report] [poster]*

· Designed a user study to evaluate potential of new feature of the app service '실감'.
· Built an **OCR**&**LLM**-powered prototype that **suggests key ideas for solving mathematics questions** from user-taken photos.
· Made a questionnaire and conducted a **paired t-test** to evaluate the effectiveness of the prototype.

실감　　　　　　　　　　　　　　　　　　　　　　　　　　　Nov 2021 - Present
공동사업자 등록(Mar 2023 - Present)　　　　　　　　　　　　　　　　　　　*[website]*

· **누적 가입자 5만여 명**의 앱 서비스 운영 중
· 기능 기획, 인앱 결제 상품 가격 조정, 마케팅 콘텐츠 제작

SKILLS

Python, Cython, PyTorch, LaTeX