

MOOSEOK KANG

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EDUCATION

The University of Chicago

Chicago, IL

Master of Science in Financial Mathematics

Expected December 2025

- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

Kyunghee University

Seoul, Republic of Korea

Bachelor of Engineering in Industrial & Management Systems Engineering

February 2022

(GPA: 3.62/4.0)

Nanyang Technological University

Singapore

Study Abroad

January 2019 – May 2019

SKILLS

Computing: Python, SQL

Knowledge: ETF, Arbitrage, Market Anomaly, Liquidity Providing, Financial Markets, Statistical Modelling

Trading Products: Equities, Futures, Cryptocurrencies

EXPERIENCE

Kiwoom Asset Management

Seoul, Republic of Korea

ETF Investment Team / Assistant Manager, Portfolio Manager

November 2022 - May 2024

- Managed ETFs, EMPs, and index funds covering asset classes of equities and futures from domestic to overseas products, with a total net asset value of approximately \$100M
- Collaborated with a team to outperform market, implementing various arbitrage strategies, event-driven strategies and exploiting market anomalies/mispricing
- Analyzed impact on eligible equities for inclusion in 3 secondary battery ETFs according to each index's methodology on rebalancing dates; monitored TWAP lot size to determine start and end of execution
- Spearheaded creation of an automated data import system by integrating FTP server connectivity with SQL database with Excel, enhancing stability of data import and reducing updating time by more than 30%

Hyundai Asset Management

Seoul, Republic of Korea

Quant Management Team / Associate

December 2021 - November 2022

- Set up management process and automated data processing required for filings using Python and SQL, leading to listing of company's first ETF (433250 KS Equity)
- Researched domestic and overseas ETF flows, new launches and trending ETF to assist in developing new products and promoting sales using ETF.com, SEC Filings, KRX data biweekly
- Supported the management of 2 index funds, evaluated tracking error and assessed factors contributing to profit and loss, and organized schedule for selective IPO participation
- Examined effects of potential alpha on Post Earnings Surprise Announcement Drift as a team, based on research papers' consensus data using indicator SUE (standardized unexpected earnings)

Republic of Korea Army, 52nd Infantry Division

Seoul, Republic of Korea

Sergeant / Squad Leader

August 2019 - March 2021

- Handled weekly reserve forces training education as a squad leader of a 6-member team and oversaw facilities ranging from water, gas to electricity supply
- Assisted in three ROK-US Combined Forces Command exercises, handling M16 maintenance and grenade launcher assembly/disassembly

EXTRACURRICULAR ACTIVITIES

Kyunghee University

Seoul, Republic of Korea

Peer Tutor

May 2024

- Arranged a voluntary meeting for 30+ juniors seeking a career path in quant industry, outlined different roles in quant, introduced few quant strategies and provided advice on resume building and interviews

ADDITIONAL INFORMATION

Language: Korean (Native)

Interests: Tennis, Go