

# Sung Min Yoon

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📠 607-262-0300

## EDUCATION

### Cornell University, College of Engineering

Ithaca, NY

*M. Eng. in Financial Engineering | Financial Data Science Certificate*

*Jan 2022 - Dec 2022*

- Early Admit to program | Fellowship within the School of Operations Research and Information Engineering

### Cornell University, College of Arts and Sciences

Ithaca, NY

*B. A. in Mathematics and Economics (Double Major) | Minor in Business*

*Aug 2016 - May 2022*

- GPA: 4.11 / 4.30 | Phi Beta Kappa
- Course Assistant (Mathematics Department); Member of Omicron Delta Epsilon, Cornell Actuarial Society

## SKILLS & COURSEWORK

- **Technical:** Python, R, MATLAB, SQL, Java, Mathematica, Stata, MS Office (Excel, PPT, Word), Capital IQ, FactSet,  $\LaTeX$
- **Relevant Coursework:** Financial Engineering with Stochastic Calculus, Monte Carlo Simulation, Statistical Data Mining, Equity Investment Research and Analysis, Game Theory, Quantitative Trading Strategies, Bond Math and MBS

## RELEVANT EXPERIENCE

### Optimization Modeling Research Project

Cornell University | *Jan 2022 -*

- Conduct research on optimizing mean-reverting portfolios; analyze the relationship between sparsity and volatility
- Develop a code solving optimization problems using CVX; collect, cleanse, and analyze data to compare strategies

### Cayuga Fund, Equity Research Associate

Ithaca, NY | *Aug 2021 - Dec 2021*

- Covered Energy sector of Cayuga Fund, a live small-cap equity portfolio (\$2MM AUM) of Cornell endowment investments
- Learned quantitative stock selection techniques, asset allocation, fundamental research, portfolio construction and trading
- Conducted research on "When and Where Do Quant Models Fail?"

### StarSeed Asset Management, Hedge Fund Summer Analyst

Singapore (remote) | *Apr 2021 – Jul 2021*

- Performed company and industry research to evaluate moat and trend ratings. Engaged in daily meetings to present findings and refine investment strategies
- Constructed detailed financial models and valuation models of 20+ companies using discounted cash flows and comparable analysis using research reports, financials, public filings and management discussions

### OS Tech Financial 1, Venture Capital Intern

Singapore (remote) | *Aug 2020 – Sep 2020*

- Researched investment acquisition opportunities that have potential for disruptive innovations; identified relevant new market and consumer trends to develop revenue generating trends
- Analyzed and evaluated several new artificial intelligence technologies for the purpose of a merger and acquisition deal; contributed content for topics to be discussed for delineating the teams of a business collaboration

### KPMG, Summer Intern

Seoul, South Korea | *Jun 2019 – Jul 2019*

- Reviewed professionals' personal investment accounts to check compliance with the independence investment policies
- Produced reports on 70+ randomly sampled professionals' stock holdings comparing stock trading statements with the data reported on the independence compliance system and checked the absence of independence breach

## OTHER EXPERIENCE

### Republic of Korea Army

*Sep 2017 – May 2019*

- Connected radio communications between command post and artilleries; assisted the computation of firing data
- Awarded commendations including colonel's honor for superior performance in air defense warning system training

## ADDITIONAL INFORMATION

- **Actuarial Exams:** Exam P (Probability) - Passed (Mar 2019) | Exam FM (Financial Mathematics) - Passed (Aug 2019)
- **Interests:** Basketball (point guard), Tennis, Soccer, Investopedia Game, Sudoku, Analytic Number Theory (research topic)
- Attended Princeton Fintech and Quant Conference (2020), Int'l Congress of Mathematicians (2014; met Fields medalists)