

Shuda Yang

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EDUCATION

Johns Hopkins University (GPA: 3.5 / 4.0)

Master of Science Degree in Applied Economics

Baltimore, MD

Sep. 2022 – Dec. 2023

- **Relevant Coursework:** Financial Econometric (Time-series Analysis), Development Economics, Behavioral Economics & Finance

University of Connecticut (GPA: 3.26 / 4.0)

Bachelor of Arts Degree in Applied Mathematical Sciences

Storrs, CT

Jan. 2018 – May 2022

- **Relevant Coursework:** Financial Mathematics, Advanced Probability, Numerical Analysis, Mathematical Modeling, Machine learning

WORK EXPERIENCES

Shepherd Ventures

Senior Quantitative Analyst, Co-leader of Discovery Research Group

San Diego, CA

Aug. 2023 – Present

- Discovered Black Swans are financial viruses, invented the black swan flu vaccine & protected portfolios from crashes
- Team leader for Black Swan Research, promoted to Sr Analyst after 2 months, trained and managed 10 interns
- Researched new factors for Mean Variance Optimizer & K- Means Clustering for trading strategies using Python/ MATLAB, enhancing portfolio commercialization by increasing stock selection diversity and reducing investor risk, limited portfolio losses to 20.64% during a market decline of 31.53%
- Monthly rebalance of efficient frontier portfolios providing a haven from Black Swan market meltdowns

Qiming Venture Partners

Investment Assistant Intern, Group of T&C (Technology and Consumer)

Shanghai, China

Jun. 2023 – Aug. 2023

- Enabled firm to evaluate future AIGC application investments by publishing an independent research paper "Study of GenAI Application" categorizing Generative AI into 5 genres, utilizing Excel and PowerPoint for visualization and presentation
- Delivered an internal presentation to the firm's c-suite where the report was successfully approved for official implementation
- Developed three deep investment plans in 2 months through market analysis and competitor assessment by market analysis, financial analysis(DCF, NPV), and competitor assessment

Roland Berger

Consulting Intern, with a focus on Government Relations and Real Estate Development

Shanghai, China

Jun. 2021 – Aug. 2021

- Conducted in-depth analysis of industrial reports and local public policies for 2 government clients, including market research, competitor analysis, and financial modeling, provided critical insights into low land efficiency and weak emerging industries
- Identified the top investment targets among over 200 targets and presented the final report to both internal and external senior stakeholders, directly influencing the strategic direction and investment decisions of these clients
- Implemented mathematical models into the decision-making process of clients by mathematical modeling, data analysis, and report production, utilizing Excel for modeling, data visualization, and comprehensive data analysis

Shanghai Guosheng Group Co., Ltd.

Investment Assistant Intern

Shanghai, China

Oct. 2020 – Apr. 2021

- Designed and published a research study of "Operational Path and Policy Recommendations for Social Funds to Participate in the Industrial Structure Optimization and Upgrading of Existing Industrial Land" to achieve the company goal of enhancing urban industrial landscapes and fostering economic growth through optimized land use and industrial upgrading
- Improved organizational skills and problem-solving capabilities by managing all aspects of the complex research project

Oversea Student Service Corp.

Marketing Analyst, Digital Marketing Department

Storrs, CT

Apr. 2019 – Jun. 2020

- Increased social media engagement by 40% by leading a team of 3 in managing the Connecticut Branch's social media account, ensuring content editing and publishing aligned with headquarters' guidelines
- In charge of planning and organizing online/off-line campus marketing events in the Connecticut area and successfully helped the sales department reach the annual sales target of \$200,000
- Held weekly meetings to assess sales data with the sales group, enhanced data visualization and reporting by utilizing Excel for analyzing social media performance metrics, and adjusted marketing strategies accordingly

CAPSTONE PROJECT & SKILLS

Data Analysis: SQL | R | Python (Pandas, NumPy, Matplotlib, sci-kit-learn, etc.) | Advanced Excel | MATLAB | Stata

Visualization & Reporting: Advanced Microsoft Package | Tableau | Adobe Photoshop | Project X | DaVinci Resolve

Independent Research: Reasons for the Rise of Vietnam's Manufacturing Industry | Relationship Between S&P 500 and National Home Price Index