Shuda Yang

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EDUCATION

Johns Hopkins University   **Baltimore, MD**
Master of Science Degree in Applied Economics   Sep. 2022 – Dec. 2023
- **GPA:** 3.5 / 4.0
- **Relevant Coursework:** Financial Econometric (Time-series Analysis), Development Economics, Behavioral Economics & Finance

University of Connecticut   **Storrs, CT**
Bachelor of Arts Degree in Applied Mathematical Sciences   Jan. 2018 – May 2022
- **GPA:** 3.26 / 4.0
- **Relevant Coursework:** Financial Mathematics, Advanced Probability, Numerical Analysis, Mathematical Modeling, Machine learning

WORK EXPERIENCES

Shepherd Ventures   **San Diego, CA**
Senior Quantitative Analyst, Co-leader of Discovery Research Group   Aug. 2023 – Present
- Research discovered Black Swans are financial viruses. Invented black swan flu vaccine & protect 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 Black Swan markets for trading strategies using machine learning methods in Python.
- Monthly rebalance of efficient frontier portfolios providing a haven from Black Swan market meltdowns.

Qiming Venture Partners   **Shanghai, China**
Investment Assistant Intern, Group of T&C (Technology and Consumer)   Jun. 2023 – Aug. 2023
- Published an independent research paper "Study of GenAI Application" categorizing Generative AI into 5 genres (text, image, music, and mixed media), and the firm used this to evaluate future AIGC application investment.
- Delivered an internal presentation to the firm's c-suite where the report was approved for official implementation.
- Developed three deep investment plans targeting Timekettle (Translation Earbuds company), Morph Studio (Text-video AIGC application), and Realdream (A coding education community focused on 3D) through market analysis, financial analysis(DCF, NPV) and competitor assessment with big data solutions in 2 months.

Roland Berger   **Shanghai, China**
Consulting Intern, with a focus on Government Relations and Real Estate Development   Jun. 2021 – Aug. 2021
- In-depth analysis of industrial reports and local public policies for 2 government clients, including market research, competitor analysis, and financial modeling, providing critical insights into low land efficiency and weak emerging industries.
- Identified the top investment targets among over 200 companies and presented the final report to internal and external senior stakeholders, directly influencing their strategic direction and investment decisions.
- Applied Python and Excel to perform statistical modeling and data visualization, delivering actionable recommendations for clients' strategic decisions.

Shanghai Guosheng Group Co., Ltd.   **Shanghai, China**
Investment Assistant Intern   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.

Oversea Student Service Corp.   **Storrs, CT**
Marketing Analyst, Digital Marketing Department   Apr. 2019 – Jun. 2020
- Led a team of 3 operating the social media account of the Connecticut Branch, responsible for editing and publishing content according to the requirements from the headquarters every week.
- In charge of planning and organizing online/offline campus marketing events in the Connecticut area and successfully helped the sales department reach the annual sales target of $200,000.
- Partnered with the sales and trading group to forge new relationships, held weekly meetings to assess sales data, and adjusted marketing strategies accordingly.

CAPSTONE PROJECT & SKILLS

Languages: Chinese (Native Speaker) | English (Fluent)
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 | React.js
Independent Research: Reasons for the Rise of Vietnam's Manufacturing Industry | Relationship Between S&P 500 and National Home Price Index