

Yinghan Yu

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Rustic Village, NY 14623

EDUCATION

Simon Business School- University of Rochester, Rochester, NY
PhD Program - Finance

August 2024 – Present

University of Rochester, Rochester, NY

August 2020 - May 2024

Honors BS in Mathematics, Finance Concentration in Business, Minor in Statistics, Minor in Japanese

GPA: 3.98/4.00

Dean's List (2020-2024), Magna Cum Laude

Core Courses: Probability Theory, Measure Theory, Game Theory, Theory of Finance, Analysis I, Financial Statement Analysis, Investments, Operations Research II: Stochastic Models and Queueing, Corporate Finance, Intro to Math Statistics, Functions of Real Variation, Economic Theory of Organizations, Business Modeling with Excel, Business Information Systems & Analytics, Linear Algebra, Intro to Complex Var With App, Applied Statistical Methods II, Intro to Linear Models

Technical Skills: JAVA (Familiar), Python (Familiar), R (Expert), SQL (Expert), STATA(Familiar), Microsoft (Expert), Minitab (Expert), Latex (Expert), Tableau (Expert), SPSS (Expert)

Certifications: SOA-Finance Certificate, Certificate of Operations Research, Certificate of Actuarial Studies

Language Skills: English Fluent, Japanese Fluent, Mandarin Chinese Native.

Award: Arthur S. Gale Memorial Prize for 2024

RESEARCH EXPERIENCE

Discussion and Optimization in Multi-echelon Supply System

July 2023

- Explored and expanded the theoretical landscape in supply chain systems beyond the conventional two-echelon model.
- Developed a comprehensive framework for multi-echelon supply systems, contributing to a deeper understanding of their operations and challenges.
- Investigated and commented on the optimal characteristics and features of multi-echelon supply systems.
- Demonstrated a commitment to advancing the field of supply chain management and contributing to its academic development.

PROFESSIONAL EXPERIENCES

University of Rochester, NY

July 2023 – May 2024

Program Assistant

- Regularly revise lecture notes to ensure the course material is up-to-date and effectively delivered to students.
- Design challenging and instructive problems for recitation sessions to enhance students' understanding of the course content.
- Carry out grading and provide students with feedback on their performance while tracking their progress.
- Hold office hours and recitation sessions to facilitate one-on-one interactions and address students' questions and concerns.

University of Rochester, NY

August 2022 – May 2024

Teaching Assistant

- Perform teaching assistant duties for three major courses: MATH 208 (Operation Research), MATH 209 (Operations Research II: Stochastic Models and Queueing), and MATH 282 (Introduction to Complex Variables).
- Held weekly office hours to provide students with additional support, address questions, and engage in academic discussions.
- Conducted weekly grading and feedback with timely grading each week, ensuring they receive prompt feedback on their assignments to aid their learning and progress.
- Fulfilled various TA tasks, including but not limited to class note revision and homework design and revision.

People's Bank of China, Zhejiang, China

June 2021 - July 2021

China Monetary and Credit Branch Assistant

- Collaborated with the department to contribute to ongoing research efforts, specifically focusing on foreign monetary and credit policy monitoring and compilation.
- Gathered and organized data, conducted analysis, and prepared English materials to support the research.
- Participated in micro video production for the department's publicity efforts by creating engaging and informative video content to showcase the department's work and achievements.
- Assisted the branch by visiting and providing support for actual credit assessment processes.
- Independently evaluated creditworthiness through gathering relevant financial information and conducting analysis to help ensure sound credit decisions.

ACADEMIC PROJECTS

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Financial Statement Analysis of Costco Wholesale & Economics of Organization Structure of Netflix

Spring 2023

- Collaborated with a team to analyze Netflix's organizational structure, gaining insights into the company's operational framework and decision-making processes.
- Conducted comprehensive financial statement analysis of Costco Wholesale using data from their annual report, applying business knowledge and financial analysis tools.
- Utilized Porter's Five Forces model to evaluate Costco's market position and unique advantages, providing a deeper understanding of the company's strategic landscape.
- Employed the DuPont analysis method to dissect Costco's profitability, efficiency, and cost structures, highlighting key financial insights.
- Conducted historical data comparisons to identify adjustments made by Costco in its financial performance.
- Demonstrated proficiency in financial forecasting by creating three financial statement forecasts and conducting discounted cash flow (DCF) valuations based on historical data.

Global Warming with Statistical Analysis

April 2022

- Adopted advanced statistical methods to assess global Land-Ocean surface temperature trends, employing up-to-date data.
- Demonstrated expertise in time series data analysis, focusing on autocorrelation and principal component analysis (PCA) to extract meaningful insights.
- Investigated the correlation between global warming temperatures and Greenhouse gas indices while assessing the impact of rising temperatures on ice sheet coverage.
- Gained proficiency in statistical software tools, including Minitab, R, and Excel, for data analysis and visualization.
- Applied comprehensive statistical knowledge and techniques to address complex environmental data, showcasing a strong foundation in statistical analysis.

Linear Algebra and Least Square Approximation

March 2022

Undergraduate project for Mathematical Writing Paper

- Utilized linear algebra to address real-world problems involving systems of linear equations.
- Applied knowledge of linear regression theory and utilized LaTeX to prove the conditions of linear regression and generate unique solutions.
- Demonstrated the practical application of linear regression in various scenarios, including simple linear regressions, polynomial, and exponential models.
- Consolidated and applied fundamental mathematical knowledge to real-world situations, bridging the gap between pure mathematics and statistics.
- Enhanced problem-solving skills and the ability to deal with uncertainty and future research in risk analysis.

EXTRACURRICULAR ACTIVITY

London Design Academy

October 2020 - May 2021

Volunteer

- Created engaging video clips to promote the London Design Academy, effectively conveying the institution's message and offerings.
- Crafted compelling promotional copywriting content, which enhanced the academy's marketing materials and resonated with the target audience.
- Developed and implemented effective marketing strategies to boost the academy's online presence and engagement.
- Contributed to self-media marketing efforts, helping the academy connect with a broader audience and increase brand awareness.