Lihong Gao

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EDUCATION

Johns Hopkins Carey Business School Washington, DC
Master of Science in Business Analytics & AI Expected Aug 2026

Shanghai University of International Business and Economics Shanghai, China
Dual Bachelor Program Jun 2025

- Bachelor of Economics in Finance, SUIBE
- Bachelor of Business Administration, Douglas College (Canada)

Course: Python for Financial Data Analysis, Investment and Experiment Based on R, Data Mining

WORK & LEADERSHIP EXPERIENCE

Deloitte IBond (Shanghai) Co., Ltd Shanghai, China
Intern, Bond Department Mar 2025 - May 2025

- Spearheaded a product development of an AI-powered credit model, contributing to firm's strategic planning for performance improvement and reducing rating deviation by 50%
- Led a project to develop a dynamic SQL/Python data pipeline in collaboration with data team, increasing data processing efficiency by 30% and enabling real-time analytics
- Enhanced accuracy of a firm's default prediction framework by 15% by developing a multi-factor logistic regression model in collaboration with risk analysis team
- Improved machine learning model stability through automated code modularization, reducing rating drift from 4% to 1.8%
- Quantified key spread metrics from seven months of bond trading data using Python pandas for inclusion in risk analysis reports
- Developed Python scripts to parse millions of judicial records from the ZhiAnXin database, uncovering a 15% coverage gap in critical case categories

China Fortune Securities Co., Ltd Shanghai, China
Intern Researcher, Electrical Engineering Group Jul 2023 - Oct 2023

- Informed investment team's decision-making by producing 15 company reports based on in-depth financial analysis of power semiconductor and superconducting sectors
- Assessed five years of market data, including market size and penetration rates, to identify key industry trends and potential investment opportunities
- Leveraged Wind and iFind platforms to compile comprehensive datasets on sub-industry segments
- Conducted DCF and PE-based valuation modeling to assess investment potential of major electronics industry leaders

PROJECT EXPERIENCE

Business Analytics: Statistical Modeling for Big Data Analysis Remote
Assistant Research Jul 2023 - Aug 2023

- Authored a final research report and presented key findings from case analysis, demonstrating a 25% gain in SME financing efficiency
- Managed a research project from literature review to final analysis, modeling over 50,000 transaction records in R to validate a 25% improvement in SME financing efficiency
- Utilized regression models and machine learning algorithms to analyze 50K+ transaction records demonstrating 25% gains

ADDITIONAL INFORMATION

Analytics Tools: Python (pandas, NumPy, scikit-learn), R, MySQL, Stata, SPSS, SAS, Tableau, Power BI
Data Technologies: SQL, MongoDB, Hadoop, Spark, Excel (Advanced), Bloomberg Terminal, Wind Database
Statistical Methods: Regression Analysis, Time Series, Machine Learning, DCF Modeling, Monte Carlo Simulation
Business Intelligence: Financial Modeling, Risk Analysis, KPI Development, Data Visualization, ETL Processes