# Lihong, GAO

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## EDUCATION

**Johns Hopkins University** — **Washington DC, USA**
*Master of Science in Business Analytics and Artificial Intelligence* — Expected 08/2025-07/2026
**Shanghai University of International Business and Economics** — **Shanghai, China**
*Dual Bachelor Program in coalition with Douglas College, Canada* — 09/2021-06/2025
*Bachelor of Economics in Finance*, SUIBE
*Bachelor of Business Administration,* Douglas College

- **Relevant Coursework:** Intermediate Microeconomics, Applied Micro Econometrics, Python for Financial Data Analysis and Application, Investment and Experiment Based on R, Security Analysis

## WORK & LEADERSHIP EXPERIENCE

**Deloitte IBond (Shanghai) Co., Ltd.** — **Shanghai, China**
*Intern, iBond Department* — 03/2025 - 05/2025

- Spearheaded the development and iteration of a corporate credit early-warning model, reducing rating deviation cases by over 50% and significantly improving model interpretability and business alignment.
  - **Early-Warning Model Development and Optimization**
    - Migrated data sources from static tables to a dynamic database pipeline; modularized and automated code for daily batch runs, improving runtime efficiency and deployment readiness.
    - Built and refined a multi-factor logistic regression model for predicting default probabilities, incorporating pricing factors, cross-entity linkages, and business logic-based score adjustments. Improved stability and reduced rating drift from 4% to 1.8%.
  - **Bond Spread Factor Construction**
    - Conducted a multi-dimensional coverage and quality evaluation of millions of judicial and news sentiment records from a third-party database (ZhiAnXin); provided integration recommendations based on table-level and field-level KPIs.
    - Processed and analyzed seven months of bond trading data via Python to compute direct and implied spread metrics; constructed entity-level spread indicators and validated factor performance, contributing to a new pricing factor module.

**China Fortune Securities Co., Ltd.** — **Shanghai, China**
*Intern researcher, Electrical Engineering Group* — 07/2023 - 10/2023

- Conducted in-depth industry research and financial analysis on the power semiconductor and superconducting sectors, supporting investment decisions with robust data insights and valuation models.
  - **Electronics Industry Research and Data Synthesis**
    - Collected and analyzed five years of market and structural data across key electronics segments, including market size, penetration rates, and competitive landscapes; enabled accurate forecasting and strategic analysis.
    - Leveraged Wind and Hithink RoyalFlush platforms to compile comprehensive datasets on sub-industries such as power semiconductors; contributed to the writing and revision of sectoral reports.
  - **Company-Level Analysis and Valuation**

- Authored 15 company review reports by interpreting operational metrics and financial disclosures;
- Conducted DCF and PE-based valuation modeling to assess investment potential of electronics leaders.

## SKILLS, ACTIVITIES & INTERESTS

**Languages:** Native in Chinese; Proficiency in English
**Technical Skills:** Python, R, C, MySQL, Stata
**Certifications & Training**: C Programming with Linux
**Activities:** 25th "PwC" Cup Financial Case Analysis Contest; 2022 Summer Social Practice
**Interests:** Singing, Musicals, Anime, Reading, Writing, Tennis, Figure Skating, Mysticism, Philosophy, History, Mythology