Hao Chao

+86 18554917605 | chaohao0117@gmail.com | Portfolio | Shandong, China

EDUCATION

Capital University of Economics and Business Beijing, China
Master of Economics in Asset Valuation Sep 2015 – Jun 2017

- **GPA:** 88.41/100 (Top 10%)
- **Core Courses:** *Valuation and Financial Statement Analysis, Business Valuation, Theory and Methods of Asset Valuation, Financial Asset Valuation, Principles of Economics, Statistics*
- **Outstanding Thesis (School level):** " Research on the Measurement of Commercial Banks' β Coefficients Based on a VaR Model"

Capital University of Economics and Business Beijing, China
Bachelor of Economics in Finance Engineering Sep 2011 – Jun 2015

- **GPA:** 87.52/100 (Top 5%) | **Quantitative GPA:** 93.5/100 (Math, Statistics & Econometrics courses)
- **Selected Coursework (with grades):** *Probability & Mathematical Statistics (100/100), Mathematical Analysis I & II (92/97, transcribed as Advanced Mathematics I & II), Time Series Analysis (95), Linear Algebra (92), Statistical Software & SAS (96), Investment Banking (97), Mathematical Finance (94), Risk Theory Analysis (92), Financial Engineering (90), Econometrics (89)*

PUBLICATION

- Liang, M., Jiang, X., & Chao, H. (2016). "*A Comparative Study on the Value Relevance of Earnings per Share and Comprehensive Income per Share: Evidence from Listed Real Estate Companies in China.*" Friends of Accounting, (23), 14-17. (in Chinese) [Peking University Core Journal]
- Chao, H. "Challenges and Limitations of Machine Learning in Asset Pricing" Journal of Business and Economic Research (in English) [E-language international journals] (Accepted)

RESEARCH SKILLS

- **Econometrics & Statistical Analysis:** Proficient in Stata, EViews, R, MATLAB, and SPSS for empirical analysis, including panel data regression, time-series forecasting, and model validation techniques.
- **Data Management & Databases:** Experienced in sourcing, cleaning, and managing datasets from financial databases (Wind, CSMAR) and unstructured sources (e.g., contracts, financial filings).

RESEARCH EXPERIENCE

Valuing Commercial Banks Using EVA Framework and Lagged β Prediction Beijing, China
Research Assistant Sep 2015 - Jul 2016
Advisor: Prof. Xiaohui Zhang, Capital University of Economics and Business

- Valued commercial banks using an Economic Value Added (EVA) model via systematic accounting adjustments and capital cost analysis; improved beta estimation by identifying key drivers through multivariate regression, developing a highly predictive model.
- Independently executed a full-cycle empirical study from data processing and model specification to results testing, demonstrating rigorous quantitative analysis. Validated model efficacy through robustness checks and economic interpretation, showcasing the ability to solve complex financial problems.

IPO Project for Beijing Xinxing Dongfang Aviation Equipment Co., Ltd. Beijing, China
Financial Analyst Intern (Due Diligence Team), Southwest Securities Jul 2015 – Sep 2015

- Collected, cleaned, and analyzed extensive non-standardized data, including original sales contracts and financial vouchers, to empirically verify the authenticity of reported revenues for a prospective IPO.
- Applied a due diligence framework that integrated financial ratio analysis with business model validation to systematically assess the credibility of the company's financial statements.

Global Ecological Environment Quality Analysis and Prediction Model Beijing, China
Lead Modeler | 2013 Mathematical Contest in Modeling (MCM/ICM) Feb 2013

- Designed and implemented a stratified random sampling method to construct a representative global sample from a population of 149 countries, demonstrating proficiency in rigorous sample selection.
- Developed a multivariate linear regression model in MATLAB to forecast a national ecological quality index; optimized model robustness and accuracy via systematic residual analysis and outlier removal.

PROFESSIONAL EXPERIENCE

Qingdao Haike Holdings Co., Ltd. Shandong, China
Strategy Manager Oct 2020 – Present

- Managed 100+ SMEs through full-cycle cultivation, developing micro-level insights into policy-driven firm behavior and establishing empirical foundation for analyzing government-market dynamics.
- Introduced RMB 1B+ investment funds to bridge park enterprises with capital markets, strengthening understanding of capital allocation mechanisms and financial intermediation for asset pricing research.

Taikang Pension Insurance Co., Ltd. | Qingdao Branch Shandong, China
BBC Support Department Operations Manager Aug 2019 – Oct 2020

- Built a data-driven operational system for precise resource allocation and dynamic strategy optimization via closed-loop management, boosting team efficiency and decision-making.
- Led the successful bid for Bank of Qingdao's supplemental medical insurance project. Analyzed multi-party game strategies and contract terms, providing micro-empirical evidence for insurance competition and risk pricing research.

China Securities Co., Ltd. Beijing, China
Institutional Finance Department- Account Manager Jul 2017 – Sep 2018

- Managed NEEQ listings, equity transfers, and fund custody, gaining direct, practical experience in corporate finance and capital market operations.
- Served as the department's derivatives (stock options) lead, analyzed pricing models and risk profiles to master market mechanisms and investor behavior. Ranked in the top 5% among peers.

AWARDS & SCHOLARSHIPS

Academic Scholarships

- National Inspirational Scholarship Awarded two times（2013, 2014）
- Second-Class Scholarship, Capital University of Economics and Business (2014, 2015, 2016 x3)

Research & Academic Competitions

- Excellence Award for Graduate Student Science and Technology Innovation Project, Capital University of Economics and Business (2016)
- Successful Participant, 2013 Mathematical Contest in Modeling (MCM / ICM)

LANGUAGE

Chinese (Native); English (Proficient)