Zhaoyu (Edward) Xu

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Room 1006, 699 Spring St, Atlanta GA 30308

EDUCATION

Georgia Institute of Technology — Atlanta, United States

MSc in Computational Science and Engineering (Double Major in Quantitative Finance) — Expected Jun. 2024

The London School of Economics and Political Science (LSE) — London, United Kingdom

MSc in Finance — Jul. 2021

- **Thesis: Boosting Methods & Deep Learning for Bond Pricing** (Distinction, Advisor: Prof. Péter Kondor)
- **Awards:** Being elected as Academic Representative for this Flagship MSc Finance program, Admitted with £6000 GSS Award

The Hong Kong Polytechnic University — Hong Kong, China

BBA (Hons) in Financial Services, Minor in Applied Mathematics — Jun. 2020

- **GPA**: 3.66 / 4.00 (**Math GPA**: 4.00 / 4.00)
- **Thesis: Using Machine Learning to Forecast Future Earnings** (arXiv:2005.13995, Advisor: Dr. Jingran Zhao)
  - Finalist of *The 16th International Atlantic Economic Society (IAES) Best Undergraduate Paper Award*
  - Forthcoming at the *Atlantic Economic Journal*, Presented at *The 90th International Atlantic Economic Conference*
- **Awards:** Outstanding Academic Achievement Award 2019 *(Top 3)*, Faculty of Business 2018/19 Dean's List *(Top 10%)*

PROFESSIONAL EXPERIENCES

China International Capital Corporation Limited (CICC) — Beijing, CHN

Investment Banking Analyst — Jul. 2021 – Jan. 2022

- Being selected as one of the first 5 fresh graduates in CICC history who are directly recruited by the Execution and Supervision Committee of the Investment Banking Department.
- Deeply engaged in **4 IPO** and **1 Non-Public Offering** projects, together with the continuous supervision and guidance for 3 other projects-
  - EZVIZ (A21616.SH) Spin-off IPO from Hikvision (002415.SZ) – **3.739B** CNY
  - China Isotope & Radiation Corp. (1763.HK) H-to-A Listing – **1.842B** CNY
  - BMC Medical (A20776.SZ) IPO – **738M** CNY
  - Rendu Biotechnology (688193.SH) IPO – **701M** CNY
  - East China Engineering Science & Technology (002140.SZ) Non-Public Offering – **931M** CNY
- Taking full charge of the data collection/analysis and training material preparation for the “on-the-job training” to all IBD employees focusing on “IPO Rejection & Penalty Case Analysis from Jan to Aug 2021”.
- Engaged in the research project on analyzing the examination trend of AI-related IPOs on the STAR Market; Constructed the A/H-Share Comps Model Template for 4 different industries; Conducted the comprehensive performance analysis and comparison between CICC and another one of the largest IBs in China, reported to the Head of IBD.
- Independently developed the automatic data processing/updating and report generating toolbox using VBA and Python to follow up the latest IPO proceedings on the market, which is regularly reported to the whole IBD during the weekly morning conference.

China Securities Co., Ltd. — Beijing, CHN

Investment Banking Intern — Sep. 2020 – Dec. 2020

- Actively engaged in the Sci-Tech Innovation Board IPO process of two leading semiconductor corporations focusing on the research and development of MEMS (Micro-Electro-Mechanical System) & SVAC (Security Video and Audio Coding) chips, executed onsite operational, legal, financial, KYC, AML due diligence work.
- Conducted market & policy researches and prepared pitchbooks for several Spin-off IPO & Refinancing Projects.

Alibaba Group — Hong Kong, CHN

Business Analyst Intern — Dec. 2019 – Jan. 2020

- Completed the differential characteristic analysis and feature extraction by dint of machine learning algorithms (PCA, Xgboost & LightGBM) for identifying the potential target customers of a current Alipay product with millions of users.
- Exerting the concepts and knowledges of Computational Advertising and Business Intelligence, continuously monitored the actual market effects of several specific publicity advertisements for this product, where statistical hypothesis (A/B testing etc.) and time series analysis are well performed for ameliorations on effectively designing the interactive user interface.

China CITIC Bank (CNCB) (Hong Kong) Investment Limited — Hong Kong, CHN

Summer Intern - Department of Asset & Liability Management — Jun. 2019 – Aug. 2019

- Independently developed several automated analytic programs using VBA and Python (NumPy & Pandas), which has been widely used for calculating normalized NAV and profit attribution indicators for a fund with an AUM over 250 million HKD.
- Verified and refined the valuation processes using DCF Model, Jarrow-Rudd (JR) & Cox-Ross-Rubinstein (CRR) Model, Monte Carlo Pricing and other methods for more than 20 investment projects in 2018FY with a total fair value over 12 billion HKD.

RESEARCH & CO-CURRICULAR ACTIVITIES

Economic Research Assistant – *China Europe International Business School (CEIBS)* — Jun. 2020 – Oct. 2020

NLP & Quantitative Researcher – *LORA Technologies & PolyU Accounting and Finance Tech Lab* — Sept. 2018 – May. 2021

The Mathematical & Interdisciplinary Contest in Modeling (MCM/ICM) - *Meritorious Winner (Top 6%)* — Jan. 2019

ACCA Hong Kong Business Competition 2018-19 - *Judges Commendation Award (Top 12)* — Oct. 2018 – Jan. 2019

ADDITIONAL INFORMATION

- **Skills:** Proficient in Python, C/C++, VBA, MATLAB, R, Stata, TensorFlow, Tableau and Adobe Illustrator
- **Interests:** Badminton, Basketball, Table Tennis, Piano, Solving Rubik's Cube
- **Activities:** Community services session at Mei King – Home for Elderly of Hong Kong; Voluntary teaching in Mainland China