JIA CAI

Professional qualification: CPA, CTA, CPV, Intermediate Economist,
Legal Professional Qualification (Lawyer), Accounting Professional Qualification
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Educational Background

➢	08/2023-Now	University of Utah	CS	PhD
➢	08/2020-08/2023	University of Arizona	Math, CS	Bachelor of Science
➢	09/2016-01/2020	Peking University	Software Engineering	Master of Engineering

Research Experience

➢ Involved in the project of "***Statistical Modeling Using Random Matrices***" currently, mentored by Dr. John Peca-Medlin. The project is to study an existing real world physical system that matches the distribution of a particular random matrix model (Wigner surmise). This includes identifying a candidate dataset to compare the Winger surmise against, and then concluding whether this dataset stratifies statistical significance criteria using the Kolmogorov Smirnov test.

➢ Participated in the development of *"The Enterprise Financial & Tax Warning Information System"*, which is based on three IBM servers, using Oracal 11g database as the basis and Visual Studio 2010 as the development environment. It is positioned to become the core management platform for the daily financial tax risk management, bringing together the relevant data scattered in various systems and integrating them into the risk control management platform together with the third data.

➢ Master's thesis in software engineering: ***"Design and Implementation of Block Chain Electronic Invoice System Based on ETF"***, with more than 40,000 words. Based on Ethereum technology, this thesis realizes the blockchain electronic invoice system by smart contract carrying out Turing calculation, transmitting information and modifying the status of Block Chain. It is tested and analyzed by building the Ethereum private chain.

➢ Master's thesis in accounting: *"Research on Payment Methods for Mergers and Acquisitions of Listed Companies in China"*, with more than 50,000 words. Based on the theory of information economics, the paper points out that due to the characteristics of information asymmetry between M&A parties, different payment methods have the problem of adverse selection for both parties, and the completion of the transaction in reality is the result of eliminating information asymmetry to a certain extent.

➢ Published one book and more than 20 professional papers in Chinese on: Communication of Finance and Accounting, Journal of Finance and Accounting, China Economist, China Township Enterprises Accounting, Friends of Accounting, Audit Monthly, Shanghai Accounting, Guangdong Accounting, and so forth.

➢ One paper was awarded "The Excellent Paper Second-class Prize" by Central University of Finance and Economics Financial Securities Research Institute.

Work Experience

➢ 07/2009-08/2016 Worked in Kuaiyu Enterprise Management Consulting Group, Greenland Group Real Estate Business One (World's Top 500), Yihai Kerry Group (World's Top 500), and so forth, the experiences of which mainly focus on the field of management information system development and risk management, specifically in finance, tax, and accounting. Invested in a financial technology company finally, as the founder of the company.

Awards & Honors

➢ 08/2020-Present University of Arizona: "Academic Year Highest Academic Distinction", "McLean First-Generation scholarship".

➢ 09/2002-07/2020 Shanghai University: "Outstanding Graduates", "Guanghua First-class and Second-class Scholarships".

Skills & Strengths

➢ Having the ability of analyzing and solving problems in a comprehensive manner, with multidisciplinary background in mathematics, computer science, accounting, and law.

➢ Having the ability of thinking deeply and enjoying solving challenging problems.

➢ Excellent coding skills in Python, R, Java, and C programming language.