

YUXUAN DENG

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ACADEMIC EXPERIENCE

Washington University in St. Louis, United States

01/2021 - 06/2022

Olin Business School

Major: Business analysis

Relevant Courses: Financial Management, Prescriptive Analytics, Database Design and SQL, Big Data and Cloud Computing, Introduction to Python and Data Science

University of Science and Technology Beijing, China

09/2016 - 06/2020

Donlinks School of Economics and Management

Major: Financial Engineering

Award: Third Prize of Beijing College Student Entrepreneurship Competition

Relevant Courses: Investment, Principles of Management, Financial Engineering, Econometrics, Fix Income Security, Financial Market, Financial Management, Advanced Mathematics, Operations Research, Probability & Mathematical Statistics,

PROFESSIONAL EXPERIENCE

China Construction Bank, China

07-08/2019

Analyst Intern, Private Banking Department

- ❖ Completed the industry research report on medical insurance; build mathematical models such as evaluation system of medical insurance products based on data collected from official database and website using Python.
- ❖ Completed big data task; designed and completed the feasibility report, and promoted the project process of "mining asset management products" and "non-financial service".

Shenwan Hongyuan Securities, China

09-12/2019

Intern, Asset Management Department

- ❖ Paid attention to the major negative news and credit rating changes of the bonds we hold, and wrote daily reports on position concentration monitoring.
- ❖ Assisted in conducting credit risk research on enterprise and industry and built scoring model of industry credit.

Zhenwei Investment & Fund Management (Beijing) Co., Ltd, China

Research assistant, Investment Department

07-08/ 2018

- ❖ Participated in investment fund project cooperating with Zhidu Group; Assisted in analyzing relevant materials such as financial reports, annual reports and industry research reports and risk assessment reports, checking fund agreements and completing application reports.
- ❖ Completed industry diagnosis report and investment report by using database to investigate the development of industry at home and abroad, analyzed the financial situation and business history of leading enterprises, and summarized investment suggestions.

Assistant, Investment Banking Department

04-07/ 2020

- ❖ Participated in the writing of materials of the client company (Beijing Global Fun Learning Education Technology Co., Ltd. and Beijing Tuhang Technology Co., Ltd.)'s listed transaction on technology innovation board.
- ❖ Provided consulting advice on finance and management for client companies. Projects include the equity incentive plan design for Beijing Global Funxue Education Technology Co., Ltd., patent consulting for Beijing Zhongsi Water Treatment Technology Co., Ltd., and M&A between Henglin Home Furnishing Co., Ltd and Guangzhou Dr. Chu Kitchenware Co., Ltd.

CCB Supply Chain Financial Co., Ltd, China

07-09/ 2020

Operation Assistant, Digital Operations Team, Financial Products Department

- ❖ Participated in the daily operation, testing and training of the company's Internet financial products, involved credit financing, account financing, bill financing, etc.
- ❖ By using Kunpeng & Shence data platform and SQL, analyzed production conditions and user behaviors, completed data weekly and monthly reports, and provided advices for the department's digital operation strategy.

University of Science and Technology Beijing, China

07/ 2020-06/ 2021

Research Assistant, Institute of Big Data and Information Science, School of Economics and Management

- ❖ Referring to the paper "C-index: A weighted network node centrality measure for collaboration competence", constructed a collaboration index, and calculated the collaboration competence of scholars in the required list. Used web crawler and SQL to capture and processing data. The amount of data is about 150,000.
- ❖ Based on the database, constructed an information system for the c-index established, responsible for the overall design and construction of the system.

GuangFa security company, China

06/ 2020-09/ 2021

Research Assistant, Institute of Big Data and Information Science, School of Economics and Management

- ❖ Mainly responsible for an IPO project in Guizhou. The main work content includes: Company bank account verification; participating in inventory counting; participating in company data system verification.

RESEARCH EXPERIENCE

The Impact of Agricultural Tax on China's Agricultural Production 08/2019-01/2020

- ❖ Conducted stability testing on original data of the input, output and tax data of 258 cities from 2001 to 2013 using Eviews .
- ❖ Used related covariates, including production, geographical and weather factors to study the impact of agricultural tax rate on agricultural input-output using regression discontinuity design.
- ❖ Built DID model to estimate the impact of independent variables (agricultural tax reform and various factors of input) on agricultural output); used DID model to estimate different exogenous shocks (e.g. the period and decline degree of agricultural tax reform) using Stata.

Analysis of the Impact of Economic Uncertainties on China's Agricultural Products Futures 08/2019-06/2020

- ❖ Conducted stability testing on nine economic uncertainty indicators (e.g. EPU, VIX and OVX); Took logarithmic difference method for the instability, and tested the relationship between the selected indicators and China's agricultural futures index using Granger Causality by Eviews.
- ❖ Built MSVAR model and drew regional mapping for the selected time series using Givewin 2.0 and Oxpak, and conducted macro-economic analysis and regional transition probability matrix for regional mapping.
- ❖ Used impulse response function based on the MSVAR model to make short-term dynamic impact relationship test and district transformation response analysis for the selected variables.

Research on the Relationship between Urban Financial Development and Input-output Efficiency of Sci-tech Enterprises

04/2019-10/2019

- ❖ Built evaluation system of operation of sci-tech enterprise using financial analysis and DEA model; set up indicators based on the relationship between sci-tech enterprises and its city to evaluate the urban financial development of this city.
- ❖ Used panel model, stepwise regression and multiplier effect to study the relationship and conducted stability test.

Research on Interest Rate and Exchange Rate Prediction and Risk Control Technology (Research Assistant) 02/2019-01/2020

- ❖ Worked as RA, focusing on data collection and data processing using Python.
- ❖ Studied the application of interest rate prediction model and in fund management, the application of exchange rate prediction model in international business decision-making, and interest rate and exchange rate risk assessment and control technology, to optimize the company's financing strategy.

Research on National Credit Dynamic Evaluation and Investment and Financing Decision-making of the Belt and Road Project of Power Construction and Capacity (Research Assistant) 02/2019-01/2020

- ❖ Working as RA, mainly responsible for data collection and data processing.
- ❖ Combined the company's "the belt and road" construction plan and the "13th Five-Year international capacity action plan" to summarize the reports and problems of international business in past year.
- ❖ Provided theoretical analysis methods, software tools and quantitative reference for the company's power construction and capacity cooperation.

Practice on Course Design of Chemistry and Society Combining Science and Art Discipline (published) 09/2016-08/2017

- ❖ Studied the relationship between economics and management subjects and chemistry courses, exploring the significance of chemical thinking to students majoring in economics and management.
- ❖ Mainly responsible for the theoretical analysis of carbon finance.

ORGANIZATION AND ACTIVITIES

Minister of Learning and Development Center, University of Science and Technology Beijing 06/2017-06/2020

- ❖ Assisted the teachers to shape the academic atmosphere, develop the students' good habits of study and living, investigate the students' learning environment and living conditions, and complete the paperwork based on statistical data.

Vice President, Art and Drama Society, University of Science and Technology Beijing 09/2016-06/2018

- ❖ Assisted teachers in art guidance, managed team and oversaw daily operation.
- ❖ Participated in various competitions on behalf of the school, and won outstanding awards.

Key Member, Outreach Department, University of Science and Technology Beijing 06/2017-06/2018

- ❖ Coordinated the works across various department, other universities and social organizations.
- ❖ Planned and developed a wide range of exchange activities.

Team Leader, Social Practice, University of Science and Technology Beijing

- ❖ Led team to Henan Provinces to conduct research on the current match industry in China, including designing and sending out questionnaire, street interview and field trip to local enterprises.
- ❖ Made promotional video and published it on WeChat that attracted more than 10,000 followers.

Key Member, Basketball Team, University of Science and Technology Beijing

- ❖ Participated in various matches on behalf of the school, and won outstanding awards.

SKILLS& OTHER INFORMATION

Computer Skills: Microsoft Office, Wind, MATLAB, Stata, Python, SQL, Eviews, Database, Givewin

Language: Chinese Mandarin (Native); English (TOEFL:105, GRE:322.5)

Certificate: China Securities Qualification Certificate;

Interest: Reading; Music; Sport