ZHANG, LANZHEN (EMMA)

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EDUCATION

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK   **NEW YORK, NY**
Master of Science in Applied Analytics   *Expected Graduated: Dec 2020*

CHINESE UNIVERSITY OF HONG KONG, SHENZHEN   **SHENZHEN, CN**
Bachelor of Business Administration in Finance and Statistics   *Graduated: May 2019*
Honors: *Dean's List (2018) | Excellent Service Award (2017) | First Place of Social Research Competition (2017)*

PROFESSIONAL EXPERIENCE

SHENWAN HONGYUAN SECURITIES   **SHANGHAI, CN**
Analyst Intern, Investment Banking   *June 2019 – Aug 2019*
- Worked as a summer analyst to assist in the execution of 6 deals
- Participated in the on-site DD and execution for an IPO deal of a Chinese smart home technology company
- Drafted pitch book and responses to CSRC comments for an IPO of a Chinese plastic conduit manufacturer
- Built forecast models and plans for restructuring and stock option incentive of a Chinese Internet corporate

WESTERN SECURITIES   **SHANGHAI, CN**
Data Analyst Intern, R&D   *May 2018 – Aug 2018*
- Worked as a summer analyst in the Fintech team to assist advisory research of 6 industries and 15 firms
- Led other 4 interns to analyze target firms, and produced 3 research reports for investment recommendation
- Established text classification rules by ML techniques to clean the online sales data of target firms

ZHIZUN QUANTITATIVE INVESTMENT   **SHENZHEN, CN**
Quantitative Analyst Intern, Strategy Research   *July 2017 – Nov 2017*
- Worked in the futures group to study quantitative trend following models and risk management controls
- Developed a multi-factor timing strategy on commodity futures with 2.12 of Sharpe Ratio
- Analyzed the new regulations in Chinese futures market and provide insights for designing new products

DEUTSCHE BANK, AG   **HONG KONG**
Project Assistant, Research   *May 2017 – July 2017*
- Worked as a research assistant in the Macro Economy Group for the Chinese catering industry research project
- Led student team to collect industry data of 72 cities by network crawler, phone interview and field investigation
- Managed data cleaning and preprocessing in R and modeled the correlations among explanatory variables

ACADEMIC PROJECTS

DATA VISUALIZATION COURSE PROJECT   **NEW YORK, NY**
H1B Visas Analysis   *Nov 2019 – Dec 2019*
- Performed EDA and visualization of H1B sponsorship situation of data/business analyst positions in R

DATA ANALYTICS COURSE PROJECT   **NEW YORK, NY**
Airbnb Rental Price Prediction   *Nov 2019*
- Performed preprocessing and modeling in R to predict rental price of Airbnb listings in NYC with the Kaggle dataset

SHENZHEN FINANCE INSTITUTE   **SHENZHEN, CN**
Research Assistant   *June 2018 – Dec 2018*
- Employed by the Center for Institutions and Capital Market for the project of developing an AI investment tool
- Maintained news database and built industry mapping knowledge domain for further algorithm development
- Performed text mining and future selection in the part of news data clustering in Python

BIG DATA MARKETING COURSE PROJECT   **SHENZHEN, CN**
Box Office Performance Prediction   *April 2018 – May 2018*
- Scraped movie data via Python and explored it by data integration, cleaning, and visualization
- Built models to predict box office during opening weekend, and made marketing strategies for movie marketers

TECHNICAL SKILLS

- Python, R, SQL, Tableau, Excel VBA, Stata, and Microsoft Office Suite