

# Zhengwei (Harry) Zhang

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## EDUCATION

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**Johns Hopkins University** Maryland, United States  
*Master of Science in Finance* July 2018 – August 2019

- Relevant coursework: Monte Carlo Simulation, Financial Risk Management, Options Pricing, Firm Valuation

**Lancaster University** Lancaster, United Kingdom  
*Master of Science in Finance* October 2017 – September 2018

- Relevant coursework: Financial Statement Analysis, Investment Portfolios Management, Market Anomalies

**Zhongnan University of Economics and Law** Wuhan, China  
*Bachelor of Management in Accounting* September 2013 – June 2017

- Relevant coursework: Calculus, Bayesian Theory, Linear Algebra, Marketing, Management, Accounting

## RESEARCH EXPERIENCE

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**The University of Texas at Austin** Remote  
*Research Assistant, Quantitative Marketing Research* February 2020 – Present

- Conduct literature reviews to learn about theoretical framework and methodology of quantitative research studies
- Applied statistical tools and theories, such as R Studio and Bayesian Methods, in the marketing data analysis
- Organize and analyze research data and generate reports to research about marketing strategies for companies

**Johns Hopkins University** Maryland, United States  
*Quantitative Financial Analysis Project* March 2019 – May 2019

- Reviewed literature to acquire a solid understanding of various functions and analysis tools in MATLAB
- Performed Monte Carlo Simulation to explain the risk impacts and uncertainties of price derivative options
- Used MATLAB to compute values at the risk of diverse stock portfolios and financial instruments

**Johns Hopkins University** Maryland, United States  
*Managing Financial Risk Project* March 2019 – May 2019

- Read journal articles to grasp the widespread financial risk models in the cases of real business world
- Applied the Cross-Validation Method on daily index returns to test and select the optimal prediction model
- Employed the Monte Carlo Simulation to compute the the estimated value at risk and expected shortfall

**Johns Hopkins University** Maryland, United States  
*Financial Modeling and Valuation Project* March 2019 – May 2019

- Mastered the well-received valuation methods in the related industries by reading large amount of papers
- Utilized the Crystal Ball software to simulate firms' market values and predict companies' stock prices
- Identified the envelope portfolio of financial assets with optimal allocation weights using matrix analysis

**Lancaster University** Lancaster, United Kingdom  
*Master Thesis Project about Accrual-based Momentum Profits* April 2018 – September 2018

- Understood the applied issues and development of asset pricing studies under the guidance of professors
- Used MATLAB to match companies' market value with their carrying value to filter out failure companies
- Sorted companies with various anomalies to derive the accrual-based momentum profits after financial crisis

**Zhongnan University of Economics and Law** Wuhan, China  
*Bachelor Thesis Project about the Effects of 70-20-10 Principle* February 2017 – June 2017

- Conducted literature reviews to understand the applied issues and development of operating management
- Analyzed various company cases to establish links between the 70-20-10 principle and learning curve model
- Summarized the advantages and disadvantages of applying the 70-20-10 principle in learning curve model

**Zhongnan University of Economics and Law** Wuhan, China  
*Bachelor Thesis Project about IFRS 9 Financial Instrument* September 2016 – January 2017

- Reviewed research studies to summarize the impacts of IFRS 9 on financial statements and other disclosures
- Applied the expected loss method in individual business cases to monitor its impact on impairment losses
- Summarized the advantages and disadvantages of the Expected Loss Method from financial disclosure lens

## **INTERNSHIP EXPERIENCE & EXTRACURRICULAR ACTIVITY**

### **PwC**

Shenzhen, China

*Intern, Audit Department*

January 2017 – February 2017

- Sampled purchase contracts and checked assertions of accounts payable for misstatements to reduce risks
- Audited financial reports and relevant data to verify assertions for depreciation using reasonableness tests
- Communicated in between clients and appropriate banks to ensure the process of confirmation request

### **Ruisi Consulting Firm**

Guangzhou, China

*Intern, Consulting Department*

July 2015 – August 2015

- Assisted supervisors in improving the internal control procedures manual by interviewing department heads
- Reviewed the sale ledger and assured the chronological records and the accuracy to identify deficiencies
- Simulated the significant controlling procedures using Visio software to detect possible missing sections

### **Association of Chartered Certified Accountants (ACCA)**

Wuhan, China

*Ambassador*

March 2014 – November 2015

- Led teammates to organize business competitions, raised funds for activities, acted as liaison between professors
- Held regular meetings to provide updates of ACCA membership information, exams requirements and policies
- Invited professional guest speakers to give lectures to facilitate students' learning of accounting knowledge

### **Student Union, Zhongnan University of Economics and Law**

Wuhan, China

*Associate director*

September 2013 – September 2015

- Held accounting competitions involving top 9 business schools in China and negotiated with representatives
- Collected, arranged and evaluated competition materials following the guideline of specific requirements
- Participated in the school journal editions and offered supports to other members in payment funds management

### **School Radio, Zhongnan University of Economics and Law**

Wuhan, China

*Member*

September 2013 – March 2014

- Led the advertising activities, such as painted and decorated up to 8 pieces of posters or showcases every week
- Participated in stage performance for holiday celebration shows and won the Best Main Actor awards in plays
- Vounteered in the radio auditions and provided useful feedbacks and advices for prospective members

## **HONORS**

Hong Kong Institute of Certified Public Accountant Case Analysis Competition, National Top 30 Prize 2015

The Best Organizer of My Job My Way competition, ACCA Shanghai 2015

Excellent Academic Performance for Academic Year, 2nd Prize Scholarship 2014, 2015

## **CERTIFICATIONS & SKILLS**

*Accounting:* ACCA Affiliate (F1-F9, P1-P5 Passed with Honor Grade); CFA Level II Candidate

*Computer:* Proficient in MATLAB, R, Bloomberg, Excel, Stata, VBA

*Language:* Proficient in English (TOEFL 113), Native in Mandarin, Conversational in Cantonese