BOYAN CHENG

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EDUCATION

University of Michigan Ann Arbor, MI
- Master of Science in Quantitative Finance and Risk Management Aug. 2016-
  Coursework: Financial Mathematics, Stochastic Processes, Numerical Analysis, Statistics

Wuhan University Wuhan, China
- Bachelor of Economics in Financial Engineering, GPA: 88/100 Sep. 2011-Jun. 2015
  Coursework: Financial Economics, Stochastic Analysis, Fixed Income Securities, Financial Derivatives, Corporate Finance, Time Series Analysis
- Bachelor of Science in Mathematics and Applied Mathematics, GPA: 85/100 Sep. 2011-Jun. 2015
  Coursework: Optimization Theory& Methods, Numerical Solutions of Partial Differential Equations
- Outstanding Undergraduate Student (Top 10%)
- Three consecutive years of Wuhan University Merit Scholarship

PROFESSIONAL EXPERIENCE

Bosera Asset Management Shenzhen, China
Research Assistant Intern, Passive and Quantitative Investment Department Mar. 2016-May 2016
- Learnt bootstrapping and Nelson-Siegel bond interest models for bond pricing
- Participated in the daily meeting in regard to quantitative methods research and gained exposure to time optional and multi-factors trading strategies

Tianfeng Futures Wuhan, China
Research Assistant Intern, Research Department Jan. 2015-Apr. 2015
- Conducted research on price volatility of 50ETF, calculated implied volatility of 50ETF options using BSM model, and organized the price and volatility data of 50ETF options
- Developed stock selection model using financial statement analysis and DuPont analysis

Guosen Securities Shenzhen, China
Research Assistant Intern, Financial Engineering Department Jul. 2014-Aug. 2014
- Researched internet securities business by comparing the representative companies in US and Japan
- Performed weighted factor analysis to construct portfolio on event-driven trading using a scoring system

RESEARCH

Influence of Monetary Policy on the price volatility of stock and options market Dec. 2014-May 2015
- Organized the data of RMB deposit reserve ratio, deposit, and loan benchmark rate over 5 years
- Conducted VECM and simulated the volatility according to the known monetary policy
- Compared the simulated volatility with implied volatility and provided trading strategies

Analysis and Empirical Test of Earnings Management Based on Jones Model Dec. 2014-May 2015
- Structured 9 multiple regression models using over 6,000 samples of three industries of listed company
- Concluded the relationship between accruals and financial reports via the estimation of coefficient
- Evaluated the levels of operational accrued profit between different industries

Calculate Ratio of the Optimal Futures Hedging May 2014
- Computed the ratio of hedging between Silver spot and futures via OLS, ECM and ECM-BGARCH
- Compared the hedge efficiency of different hedge strategies by variance of changes in portfolio prices

LEADERSHIP EXPERIENCE

Vice Chairman, Career Guide Department of Youth Development Service Center Sep. 2012-Jun. 2013
- Held 8^{th} Recruitment Meeting with over 60 enterprises offering over thousands of vacancies, managed promotion of event and on-site coordination
- Awarded Outstanding Vice Chairman and Active Participant in Social Activity

SKILLS

- **Computing skills:** Eviews, SAS, C&C++ language, R ,Matlab, and Python.