

# XUAN WANG

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## EDUCATION

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**Bachelor's in Statistics, Fudan University, Shanghai, China** 2010.09 – 2014.07

- **Total GPA:** 3.72/4.00, Ranking 2/182 in School of Management; Major GPA: 3.96/4.00
- **Major Courses:** Operational research, Stochastic process, Multivariate analysis, Probability and statistics, Linear algebra, Principles of mathematical analysis
- **Courses undertaken:** Categorical data analysis, Sampling survey, Statistical software

**Exchange Program, University of California at San Diego, CA, US** 2012.09 – 2013.01

- **Total GPA:** 4.00/4.00; **A+ in all taken courses:** Mathematic Statistic-Time Series, Ordinary differential equations, Econometrics, Microeconomics C

**Standard Tests:** TOEFL 107(R 30, L 30, S 20, W 27); GRE: V 151, Q 170, AWA 3.0

## RESEARCH EXPERIENCE & COURSE PROJECTS

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**Operation Research-- Model for optimizing the production schedule of Filatoi Riuniti**

Supervisor: Prof. Tianjun Feng

Course Project

- Formulated Filatoi Riuniti's purchasing problem for March based on outsourcing production schedule and prices charged to it on February
- Analyzed strategies for expanding the production capacity and determined the minimum price under different resources and situations
- Modified the model in order to take into account possibility in other aspects and re-optimize

**Generalized estimating equations method for parameters in regression credibility models under common effect in non-life insurance, in progress**

Supervisor: Prof. Zhongyi Zhu

2013.06 – Present (under working)

- Made detailed review of the researches on regression credibility models
- Studied and discussed the use of GEE method in generalized linear models
- Analyzed the properties of regression credibility models when extending it to common effects
- Employed GEE method to estimate parameters in regression credibility models under common effects and compared the results with other estimations

**Monte Carlo study of a ferromagnetic planar XY model in two dimensions square lattice**

Supervisor: Prof. Xinsheng Zhang

Course Project

- Researched and made brief review of the salient features of the two-dimensional XY model
- Discussed the form of the spin-spin correlation function of XY model and illustrated the nonexistence of long-range order
- Used Monte Carlo method to simulate properties of the vortex under different temperature
- Summarized all above work and completed the paper in English

## BUSINESS CASE ANALYSIS CONTESTS

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- CIMA Global Business Challenge 2012**, Shanghai, China 2012.07-2012.09
- Analyzed and prioritized the challenges, such as sustainable trading, financial pressure and personnel, facing PAPY, an independent supermarket brand which in Europe
  - In charge of analyzing the issue about sustainable trading through Mckinsey 7S Model in operational level and found support by statistical analysis of the relations between carbon reduction, whether providing green food or not, logistic center number and annual profit
- KPMG International Case Analysis**, Shanghai, China 2012.03
- Investigated and prioritized the risks facing MedNet, a health care websites, in both macro and micro aspects, and mainly focused on its attractiveness of advertisers
  - Discussed potential solutions for MedNet to ensure advertisers' sponsor based on history data analysis, marketing prediction and innovative payment mode analysis

## INTERNSHIP EXPERIENCE

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- Donghai Securities**, Shanghai, China 2013.01-2013.02  
Macroeconomic analyst assistant, Research Institution
- Conducted searching and preliminary analysis of macroeconomic indicators and data for major countries by integrating time series analysis and interpretation of singular points
  - Wrote the Macroeconomic Analysis Report and made charts to present the domestic macroeconomic trend
- Standard Chartered Bank (China) Limited**, Shanghai, China 2012.07-2012.09  
Summer Intern, Compliance Department
- Collected, preliminarily processed and handled the regulatory information
  - Processed regulatory data to collaborate the preparation of Compliance monthly report
  - Maintained relationships with external departments and governmental body, such as supporting General Manager Office in terms of CSR events

## EXTRACURRICULAR ACTIVITIES

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- International Business Workshop Attended: Sino-US William Holland Fellows Program, J. A. Walker College of Business, Appalachian State University (expected) 2014/03-2014/04
- Vice Secretary of Public Relations Department, Fudan Students' Union 2011/09-2012/06
- Volunteer of Shanghai Science & Technology Museum 2011/03-2011/04

## HONORS AND AWARDS

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- Zheng Zukang Scholarship, Fudan University (top 5%) 2013
- Sumitomo Corporation Scholarship, Fudan University (top 5%) 2012
- Excellent Member, Fudan University youth league committee 2012
- Wu Yingfan Scholarship First-Class, Fudan University (top 5%) 2011
- Excellent Member of Students' Union of Fudan University 2011

## SKILLS AND EXPERTISE

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**Statistics Software:** SAS, R, MATLAB, STATA