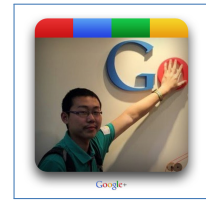


# Weizhi Liu

## Curriculum Vitae

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*"Impossible is nothing if you dare to challenge !"*

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## Education

- 2010.09–now **Bachelor of Industrial Engineering, Nanjing University.**  
Rank:3/33 GPA:4.39/5.00
- 2010.09–now **Minor in Financial Engineering, Nanjing University.**

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## Publication & Working Paper

- Title *Make Wise Use of Every Drop*
- Supervisors Associate Professor Lee Juan & Associate Professor Qu Hui
- Received By Mathematical Modeling And Its Applications, Volume 2, 2013
- Description
- **Outstanding Winner(0.2%) and INFORMS Prize Recipient(0.05%) in 2013 Mathematical Contest in Modeling<sup>1</sup> held by COMAP, sponsored by INFORMS, MAA, and SIAM.**
  - A grey prediction model was used to forecast water gap between demand and supply across China during 2013~2025.
  - Adopted four models to address water transfer, water storage, desalinization and water conservation to handle the severe water shortage issues.
  - Interpreted the interplay between four strategies, namely whether they are substitutes or complements in terms of water demand uncertainty and area properties.
- Title *Joint Distribution Center Model in University Community*
- Supervisors Professor Zhou Jing & Dr. Lee Min
- Received By China Business and Trade, Issue 6, 2013
- Description
- Achievement of our "National Students Research Training Program" concerning joint distribution center and the last mile problem.
  - Scales, densities, locations, operations and profit model of joint distribution center has been studied roughly.

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<sup>1</sup>The description of MCM 2013 Problem B: Water, Water, Everywhere can be viewed in <http://www.comap.com/undergraduate/contests/mcm/contests/2013/problems/>

Title	<i>Verification of Option Parity Relations in Domestic Warrants Market of China</i>
Supervisors	Associate Professor Zhu Hongliang
Received By	2013 International Conference on Education and Education Management
Description	<ul style="list-style-type: none"> <li>– An empirical study of option parity relations in domestic warrants market of China has been analyzed.</li> <li>– Black-Scholes Model has been used to adjust the call price to make the strike price of call/put option equivalent.</li> <li>– A linear regression model and wilcoxon signed-rank test have been conducted to verify the parity relations.</li> </ul>
Title	<i>How Social Preference and Bounded Rationality Effects Pricing on A Supply Chain</i>
Supervisors	Associate Professor Lee Juan
Description	<ul style="list-style-type: none"> <li>– A two-echelon supply chain with a supplier as Stackelberg Game's leader and a retailer as follower has been analyzed.</li> <li>– A utility model and multinomial logit choice model have been adopted to depict people's social preferences and bounded rationality.</li> <li>– Apart from theoretical analysis, Associate Professor Lee Juan, Assistant Professor Wang Yulan Amanda from PolyU, HK and I have conducted a series of economic experiment to collect real decision data.</li> <li>– Structural estimation and some hypothesis tests were conducted via software R software. Learning effect and bullwhip effect will be studied later.</li> </ul>

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## Awards

2013.02	INFORMS Prize Recipient, The Mathematical Contest in Modeling (0.05%)
2013.02	Outstanding Winner, The Mathematical Contest in Modeling (0.2%)
2011.07	Secondary Prize, Google Summer Students Blog Share Competition (0.3%)
2011/2012	Outstanding Volunteer, the 4 <sup>th</sup> /5 <sup>th</sup> Google Warm China Cup
2011.12	Top2, the 2 <sup>nd</sup> Nanjing "JinWeiNing Inc" Logistics and Supply Chain Innovation Competition (5%)

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## Computer skills

Basic	L <sup>A</sup> T <sub>E</sub> X, Emacs, Netlogo
Intermediate	PYTHON, R, C++, Git, Z-TREE
Advanced	MATLAB, OCTAVE