**Taisong Jing, PhD**

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**Summary:**

Mathematician with a passion in problem solving searching for a quantitative position

**Education:**

**University of Pennsylvania (**Philadelphia, PA)

***Ph.D****. in Mathematics***,** Sep. 2009-May. 2014

* Thesis: *The Strong CM Lifting Problem*
* Benjamin Franklin Fellowship, GPA: 3.94/4.00

*Dual* ***M.A.*** *in Statistics***,** Sep.2011-May. 2014

* *Thesis: Riemann Zeta Function and Random Matrix Theory*
* Coursework on mathematical statistics, Bayesian methods and computation, stochastical calculus and financial applications, econometrics

**Peking University** (Beijing, China)

***B.S.*** *in Mathematics,*Sep. 2005-Jul. 2009

* Guanghua Scholarship, Major GPA: 3.88/4.00

**Experience:**

**Pennsylvania State University** (State College, PA)

*Chowla Research Assistant Professor*,to start in Aug. 2014

**University of Pennsylvania** (Philadelphia, PA)

*Teaching Assistant,*Sep. 2010-Aug. 2014

* Solo instructor of calculus in different levels, including an online course
* Led recitations and discussion sessions of undergraduate courses for 2 years

**Skills:**

**Programming**

* R, C++

**Statistical Modeling**

* Studied the correlation between the trading volume of a specific stock and that of the overall market using mixed model and the EM algorithm in computation.
* Reproduced an empirical study on the effects of strategies to improve students’ academic performance. Presented a further analysis on the gender difference indicated by the data.

**Data Science**

* Towards Certificate of Specialization on Coursera
* Completed coursework on getting and cleaning data, exploratory analysis, statistical inference, regression model, and practical machine learning.

**Finance**

* Passed CFA level 1