

# Xing WANG

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## EDUCATION

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**Risk Management and Insurance, J.Mack Robinson College of Business, Georgia State University** Aug 2014- Now  
Ph.D. in risk management and insurance

**School of Mathematics, College of Sciences, Georgia Institute of Technology** Aug 2013- Aug 2014  
M.S in Statistics

**Department of Mathematical Sciences, Tsinghua University** Sep 2009- Jul 2013  
B.S. in Mathematical Sciences

## RELEVANT COURSES

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**RISK MANAGEMENT AND INSURANCE:** Advanced Microeconomics, Econometrics, Game theory, Asset pricing, Stochastic processes, Cooperate finance, etc

**Statistics:** Probability theory, Statistical inference, Mathematical statistics, Measures and integrals, Testing hypothesis, Regression Analysis, Computational statistics, Statistical Software, etc.

**Operation research:** Linear programming, Introduction to Mathematic and Its Applications, Numerical Analysis, Uncertain programming, Game theory and Its Application, Modern methods for Optimal Calculation, etc.

**Mathematics:** Mathematical Analysis, Complex Analysis, Real Analysis, Advanced Algebra, Ordinary Differential Equation, Partial Differential Equation, Functional Analysis, etc.

## ACADEMIC PROJECT

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**Research on Asymptotic distribution about Heazendonck-Gooverts Risk Measure** | Georgia State University  
Sep2014 - now

- Derive a new method to estimate H-G risk measure by using empirical likelihood method
- Learn Intermediate quantile of H-G risk measure and use different estimate methods for different heavy tail distributions

**Research about Evaluate Annuity for life insurance** | Georgia State University Feb 2016

- Apply a new method to calculate the value for different annuities and make comparison
- Find the optimum age for consumers to buy annuity under different interest rate

## WORK EXPERIENCES

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**Research assistant in Risk Management and Insurance** | Georgia State University Sep2014 - now

- Conduct research in risk measure and its applications under the construction of Professor Peng. Aug 2014-Now
- Using time series models to analysis finance data.

**Grader for Class AS4140** | Georgia State University Jan 2016 – May 2016

- Help instructor to grading homework and make record for student
- Learn how to arrange homework and exams to students and how to teach a class in actuarial science

## PUBLICATIONS

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1. Peng, L., **Wang, X.** and Zheng, Y. (2015). Empirical likelihood inference for Haezendonck- Goovaerts risk measure. *European Actuarial Journal* 5, 427–445.
2. **1. Wang, X.** and Peng, L. (2016). Inference for intermediate Haezendonck-Goovaerts risk measure. *Insurance: Mathematics and Economics* 68, 231–240.

## **SKILLS**

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Language: Chinese (Native), English (Fluent)

Programming Languages: C, C++, Matlab, Mathematica; R, Mintab, Stata, Office Applications: Microsoft Office