

# Junhao Liu

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Discipline of Finance, The University of Sydney Business School  
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## Current Position

Postdoctoral Research Associate, University of Sydney 2019-present

## Education

Ph.D. in Risk and Insurance, University of Wisconsin–Madison 2014-2019  
- Dissertation: “Policy Form and Rate Regulation in the Property-Liability Insurance Market”  
M.S. in Mathematical Statistics, University of Cambridge 2011-2012  
B.S. in Statistics and Mathematics (First Class Honors), University of Hong Kong 2008-2011  
SOA/CAS Actuarial Exams: P/1, FM/2, MFE/3F, 3L

## Research Interests

Consumer Finance, Economics of Regulation, Risk Management and Insurance

## Publications

“[Medicaid and Long-Term Care: The Effects of Penalizing Strategic Asset Transfers](#)”  
with Anita Mukherjee (*Journal of Risk and Insurance*, forthcoming)  
“[Building Financial and Health Literacy at Older Ages: The Role of Online Information](#)”  
with Hessam Bavafa and Anita Mukherjee (*Journal of Consumer Affairs*, 2019)

## Working Papers

“[Compliance Costs of Contract Regulation](#)” with Ty Leverty  
“[Does Technology Adoption Save Regulatory Compliance Costs?](#)” with Ty Leverty

## Research in Progress and Other Work

“[Understanding and Overcoming Confusion in Consumer Mortgage Decisions](#)” with Sol Chung, Julie Agnew, Hazel Bateman, Christine Eckert, Fedor Iskhakov, and Susan Thorp  
“[Elections and Insurance Rate Regulation](#)” with Ty Leverty  
“[Reverse Mortgages](#)” with J. Michael Collins and Anita Mukherjee  
- Entry prepared for the Encyclopedia of Gerontology and Population Aging (section: Social Security and Pension Systems), published by Springer, March 2019.

## Teaching

Teaching Assistant, RMI 300 Principles of Risk Management 2018-2019  
- Core course for the Risk Management and Insurance major  
- Developed weekly in-class exercise, homework, and exam questions

- Lecturer, ACT SCI 300 Actuarial Science Methods I** 2017
- University-wide Exam P (Probability) review course
  - Developed the syllabus, lecture notes, weekly in-class and homework exercises
- Head Teaching Assistant, GEN BUS 306 Business Analytics I** 2017
- Core course on analytical skills for business undergraduates
  - Planned weekly discussion sections and coordinated fellow TAs in teaching
- Teaching Assistant, GEN BUS 306 Business Analytics I (Five Semesters)** 2015-2017
- Received Dean's letter of recognition for designing and implementing an auto-grading system of case projects for 600+ students each semester
  - Developed weekly discussion sections and taught 500+ students in 5 semesters

### **Presentations**

- Pensions, Retirement and Ageing seminar, CEPAR-UNSW Sydney 2019
- Research School of Economics, Australian National University, Canberra 2019
- EALE-The Geneva Association Joint Seminar, Milan 2019
- JCA/FLEC Research Symposium, Washington, D.C. 2019
- Southwestern Finance Association Conference, Houston 2019
- Department of Economics, University of Wisconsin-La Crosse 2018
- Wisconsin School of Business, University of Wisconsin-Madison 2018
- American Risk and Insurance Association (ARIA) Annual Meeting, Chicago 2018
- APRIA-IRFRC Joint Conference Joint Conference, Singapore 2018
- Ph.D. Student Research Symposium, University of Georgia 2018

### **Referee Service & Conference Participation**

- Referee, The Journal of the Economics of Ageing
- Ad hoc Referee, The Journal of the Economics of Ageing
- Invited Participant, FMA Doctoral Student Consortium 2018
- Annual CEAR-Huebner Summer Risk Institute, Georgia State University 2017
- Invited Participant, Price Theory Summer Camp, University of Chicago 2016

### **Research Assistance & Undergraduate Research**

- Research Assistant for Professor Anita Mukherjee, Wisconsin School of Business 2017-2019
- Research Assistant for Professor Peng Shi, Wisconsin School of Business 2015
- Project Manager, Research in Industrial Projects for Students, Institute for Pure and Applied Mathematics, University of California, Los Angeles 2010

### **Honors, Fellowships, & Scholarships**

- Distinguished Teaching Award, Wisconsin School of Business 2016
- Robert Bruce Wisconsin Distinguished Graduate Fellowship, UW-Madison 2014

Finalist, S. T. Yau College Student Mathematics Contest (among top 12 undergraduate students in mathematics in China)

2014

## **Industry Experience**

**Actuarial Consulting Analyst, Milliman Inc., Shanghai, China**

2013-2014

- Conducted more than 20 consulting projects on auto-insurance pricing and risk segmentation, insurance reserve modeling, health insurance experience study and portfolio review in Greater China, Southeast Asia, and the U.S.

*Last updated: January 13, 2020*