

## HANZHE ZHANG

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### APPOINTMENT

Assistant Professor of Economics, Michigan State University, East Lansing, MI, 08/2015-present.

### AFFILIATION

Faculty Affiliate, Human Capital and Economic Opportunity Global Working Group, University of Chicago, Chicago, IL, 05/2016-present.

### SHORT-TERM POSITIONS

Inaugural Summer Scholar-in-Residence, Human Capital and Economic Opportunity Global Working Group, University of Chicago, Chicago, IL, 05/2016-08/2016.

Research Intern, Microsoft Research New England, Cambridge, MA, 06/2012-09/2012.

### RESEARCH AND TEACHING INTERESTS

Microeconomics, Matching Theory, Game Theory, Labor Economics, Family Economics.

### EDUCATION

PhD Economics, University of Chicago, 09/2010-06/2015.

PhD Thesis: "Essays in Matching, Auctions, and Evolution" under Gary Becker\*, Philip Reny\*, Pierre-André Chiappori, Scott Kominers, and Hugo Sonnenschein.

MA Math, BA Math with distinction, BA Economics with distinction, minor in Statistics, University of Pennsylvania, *summa cum laude*, *Phi Beta Kappa*, 09/2007-05/2010.

MA Math Thesis: "Exposition of Two-Player Zero-Sum Poker Models" under Robin Pemantle\* and Herman Gluck.

BA Economics Honors Thesis: "Deriving Valuations from Bidding Behaviors: British Third Generation Auction in 2000" under Kenneth Wolpin\*.

### HONORS

Yahoo! Key Scientific Challenges winner, 1 of 30 worldwide, 2012.

Lawrence R. Klein Prize, best undergraduate economics thesis at Penn, 2010.

Bernard Shanbaum Prize, best undergraduate economics student at Penn, 2010.

Class of 1880 Prize, first place in freshman math competition at Penn, 2008.

### RESEARCH

#### Working Papers

A Marriage-Market Perspective of Career Choices.

Higher Career Cost Can Actually Explain Why More Women Than Men Go to College.

Labor-Market and Marriage-Market Outcomes by Age at Marriage: Theory and Evidence.

Pre-Matching Gambles.

The Optimal Sequence of Prices and Auctions.

Evolutionary Justifications for Overconfidence (with Kimberly Gannon).

#### Publications

The Optimal Sequence of Prices and Auctions (Extended Abstract), *Proceedings of the Third Conference on Auctions, Market Mechanisms and Their Applications*, 2015.

To Risk or Not to Risk? Improving Financial Risk Taking of Older Adults by Online Social Information, *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work and Social Computing*, 2015, 95-104 (with J. C. Zhao, W.-T. Fu, S. Zhao, and H. B.-L. Duh).

Evolutionary Justifications for Non-Bayesian Beliefs, *Economics Letters*, 2013, 121(2), 198-201.  
Cohort Profile: The China Jintan Child Cohort Study, *International Journal of Epidemiology*, 2010, 39(3), 668-674 (with J. Liu, L. McCauley, Y. Zhao, and J. Pinto-Martin).  
Two-Player Zero-Sum Poker Models with One and Two Rounds of Betting, *Penn Science*, 2010, 9(1), 27-30.

### **Seminar Presentations**

Cornell (2017), Nebraska (2017), Michigan (2016), Boston College (2016), McMaster (2015), MSU (2015), Queen's (2015), Drexel (2015), Wisconsin-Whitewater (2014).

### **Conference Presentations**

UM-MSU-UWO Labo(u)r Day Conference (2017), Population Association of America Annual Meeting (2017), Midwest Theory (2016), Econometric Society European Winter Meeting (2015), U Michigan H2D2 Research Day (2015), Econometric Society World Congress (2015), AEA (2015), Midwest Theory (2015), UChicago-Northwestern Family Economics (2014), Midwest Theory (2014), Sao Paulo Workshop on Game Theory and Economic Applications (2014), Fields Institute Optimal Transportation and Equilibrium in Economics (2014), IEA (2014), UChicago-Northwestern Market Design Workshop (2013), AEA (2013), IEA (2013), Midwest Control and Game Theory in Urbana-Champaign (2012), Stony Brook Game Theory (2012), Midwest Theory (2012).

### **Grants and Fellowships**

Econometric Society Travel Grant, 2015.  
University of Chicago Division of the Social Sciences Travel Grant, 2015.  
Institute for Humane Studies Hayek Fund for Scholars, 2015.  
The State of Sao Paulo Research Foundation Travel Grant, 2015.  
University of Chicago Division of the Social Sciences Summer Grant, 2014.  
Women and Leadership Archives Summer Research Grant, 2014.  
Yahoo! Key Scientific Challenges Research Grant, 2012.  
Frank H. Knight Fellowship, University of Chicago, 2010-2015.

### **Research Mentoring**

Pallavi Pal, committee member, 2016-  
Chris Fowler, Directed Research Fellowship, MSU, Summer 2017.  
"A Marriage-Market Perspective of Career Choices."  
Kimberly Gannon, Dean's Assistantship, MSU, 2016-2017.  
"War of Attrition and Escalation."  
Jacob Schmitter, Professorial Assistantship Program, Honors College, MSU, 2016-2017.  
"A Dynamic Justification for Buy-It-Now."  
Whitney Zhou, Provost Undergraduate Research Initiative Award, MSU, Fall 2016.  
"Pre-Matching Gambles."  
Kimberly Gannon, Provost Undergraduate Research Initiative Award, MSU, Summer 2016.  
"Evolutionary Justifications for Overconfidence."  
Quinton Baker, Directed Research Fellowship, MSU, Summer 2016.  
"Labor-Market and Marriage-Market Outcomes by Age at Marriage: Theory and Evidence."

### **Refereeing**

*American Economic Review*, *American Mathematical Monthly*, *Games*, *Information Systems Research*, *Journal of Economic Behavior and Organization*, *Journal of Political Economy*, *Theoretical Economics*

## **TEACHING**

### **Lecturer**

EC812B Microeconomics II (G), MSU, 2018S.

EC401 Advanced Microeconomics (U), MSU, 2018S, 2017S, 2017S.

EC301 Intermediate Microeconomics (U), MSU, 2018S, 2017S, 2015F.

### **Guest Lecturer**

EC911 Strategic Behavior in Economic Environment (G), Jon X. Eguia, MSU, 2016F.

“Market Design and Information Design” (6 lectures)

EC880 Labor Economics I (G), Ben Zou, MSU, 2016F, 2016S.

“Theory and Estimation of Matching Market” (2 lectures)

EC835: Public Expenditures (G), Stacy Dickert-Conlin, MSU, 2016F.

“Marriages and Taxation” (1 lecture)

### **Teaching Assistant**

BUSF421 Game Theory (MBA), Emir Kamenica, UChicago, 2014S.

ECON207 Honors Game Theory (U), Hugo Sonnenschein, UChicago, 2013F, 2012F.

ECON244 Advanced Micro Theory in a Math Mode (U), Hugo Sonnenschein, UChicago, 2012F.

ECON201 Honors Elements of Economic Analysis II (U), Glen Weyl, UChicago, 2012F.

ECON208 Theory of Auctions (U), Philip Reny, UChicago, 2012W.

## **SERVICES**

Mentor, Econ Scholars Program, Michigan State University, 09/2016-05/2017.

Organizer, Economic Theory Seminar, Michigan State University, 09/2016-05/2017.

Co-founder, Family Game Theory Reading Group, Human Capital and Economic Opportunity  
Global Working Group, 02/2016-present.

Organizer, Theory Brown Bag, Michigan State University, 09/2015-present.

Member, Fall Qualifying Exam Committee, Michigan State University, 08/2016.

Member, Advisory Committee, Michigan State University, 09/2015-08/2016.

Organizer, Economic Theory Working Group, University of Chicago, 01/2013-06/2015.

Co-founder, Chicago Chinese Social Research Group, 09/2013-06/2015.

Co-founder, Market Design Reading Group, University of Chicago, 04/2012-06/2015.

Committee member, Kravis Award for Outstanding Undergraduate Teaching, Penn, 2010.

## **PERSONAL INFORMATION**

Born on February 17, 1990 in Tianjin, China.

Last updated: July 20, 2017