

Federal Reserve Board  
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## Experience

Adjunct Professor/Visiting Scholar, Tepper School of Business, CMU, Fall 2016/ Spring 2017  
Economist, Federal Reserve Board, since July 2013  
Short Term Consultant, The World Bank, June–July 2012

## Education

Ph.D. Economics, University of Pennsylvania, May 2013  
M.S. Mathematics, Texas Tech University, August 2007  
M.S. Economics, Texas Tech University, December 2006

## Fields of Interest

*Broad:* Empirical Microeconomics, Applied Microeconomic Theory  
*Current:* Social and Financial Networks, Health Economics, Public Economics

## Papers

Discrete Games in Endogenous Networks: Theory and Policy (RR Econometrica)  
Social Networks and the Stepping Stone Effect: The Case of Tobacco and Marijuana  
Bitcoin: Technical Background and Data Analysis, (with M. Chen)  
Housing Finance Across Countries: New Data and Analysis, (with T.H.L. Beck, L. Vado, S. Walley)

## Work in Progress

The Network of Large-Value Loans in the U.S.: Concentration and Segregation, (with D. Ebanks)  
Measuring Systemicness in the U.S. Insurance Industry, (with N. Foley, B. Narajabad, S. Verani)

## Honors, Fellowships, Grants

Paul Taubman Prize for Empirical Economics Research, “best empirical study by a graduate student”  
University of Pennsylvania, 2013  
TRIO grant (Boettner Center, Population Aging Research Center and Population Studies Center),  
University of Pennsylvania, “Friendship Networks and Smoking: Theory and Evidence”, 2012-2013  
University fellowship, University of Pennsylvania, 2007-2008  
Patrick Odell scholar, “outstanding mathematical talent”, Department of Mathematics, Texas Tech  
University, 2007-2008  
Chancellor’s fellowship, Department of Economics, Texas Tech University, 2005-2008

**Conference & Seminar Presentations**

- 2016 Asian Meetings of ES (Kyoto), North American Summer Meetings (Penn), NYU, Society for Economic Measurement (Thessaloniki), Society for Economic Dynamics (Toulouse), SITE (Stanford), University of Hawaii, UPitt
- 2015 American Economic Association (Boston), Econometric Society World Congress (Montreal), International Association for Applied Econometrics (University of Macedonia), Information Transmission in Networks (Harvard), INFORMS (Montreal), St. Louis (Econ)
- 2014 GWU, North American Summer Meetings (Minnesota), Society for Economic Dynamics (Toronto), UT Dallas (Jindal)
- 2013 Board of Governors, Bocconi, Konstanz, Mannheim, Minnesota, St. Louis (OLIN), Texas Tech, Tilburg, Yale (SOM), European Meeting of ES (Toulouse), Annual Congress of EEA (Toulouse)
- 2012 Extreme Science and Engineering Discovery Environment (XSEDE), UPenn, North American Summer Meetings (Northwestern), Summer School on Socio Economic Inequality (UChicago), Quantitative Marketing and Economics (Duke)

**Referee Service**

Econometrica, European Economic Review, International Economic Review, Journal of Political Economy, Quantitative Economics

**Software**

FORTRAN, C/C++, CUDA, OpenMP, MPI  
STATA, MATLAB, LaTeX