

# Li Tan

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## CONTACT INFORMATION

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## EDUCATION

2018	Ph.D. in Economics, University of Missouri-Columbia
2012	M.S. in Financial Management, Australian National University
2009	B.E. in Industrial Engineering, Tsinghua University

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## WORK EXPERIENCE

2021-Present	Visiting Assistant Professor in School of Engineering Education, Purdue University
2018-2021	Postdoctoral Researcher at the Social Policy and Higher Education Research in Engineering (SPHERE), Purdue University
2015-2018	Research Assistant at the Economic & Policy Analysis Research Center (EPARC), University of Missouri-Columbia

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## PUBLICATIONS

1. Main, J. B., Wang, Y., & Tan, L. (forthcoming). Preparing Industry Leaders: The Role of Doctoral Education and Early Career Management Training in the Leadership Trajectories of Female STEM PhDs. *Research in Higher Education*. ([link](#))
2. Main, J. B., Wang, Y., & Tan, L. (forthcoming). The Career Outlook of Engineering PhDs: Influence of Postdoctoral Research Positions on Early Career Salaries and the Attainment of Tenure Track Faculty Positions. *Journal of Engineering Education*. ([link](#))
3. Tan, L. (2021). Imputing Top-Coded Income Data in Longitudinal Surveys. *Oxford Bulletin of Economics and Statistics*, 83(1), 66-87. ([link](#))
4. Tan, L., Main, J. B., & Darolia, R. (2021). Using Random Forest Analysis to Identify Student Demographic and High School-Level Factors that Predict College Engineering Major Choice. *Journal of Engineering Education*, 110(3), 572-593. ([link](#))
5. Main, J. B., Tan, L., Cox, M. F., McGee, E. O., & Katz, A. (2020). The Correlation Between Undergraduate Student Diversity and the Representation of Women of Color Faculty in Engineering. *Journal of Engineering Education*, 109(4), 843-864. ([link](#))
6. Tan, L. & Koedel, C. (2019). The Effects of Differential Income Replacement and Mortality on U.S. Social Security Redistribution. *Southern Economic Journal*, 86(2), 613-637. ([link](#))
7. Koedel, C., Li, J., Springer, M. G., & Tan, L. (2019). Teacher Performance Ratings and Professional Improvement. *Journal of Research on Educational Effectiveness*, 12(1), 90-115. ([link](#), authorship alphabetical)
8. Parsons, E., Koedel, C., & Tan, L. (2019). Accounting for Student Disadvantage in Value-Added Models. *Journal of Educational and Behavioral Statistics*, 44(2), 144-179. ([link](#))
9. Koedel, C., Li, J., Springer, M. G., & Tan, L. (2017). The Impact of Performance Ratings on Job Satisfaction for Public School Teachers. *American Educational Research Journal*, 54(2), 241-278. ([link](#), authorship alphabetical)

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## R&R PAPERS

1. Main, J. B., Cox, M. F., McGee, E. O., Tan, L., & Berdanier, C. (2021). Trends in the Underrepresentation of Women Faculty of Color in Engineering. R&R at *Journal of Diversity in Higher Education*.

## SELECTED WORKING PAPERS & WORK IN PROGRESS

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1. Can the Best Teachers Help the Students Who Need it the Most? Understanding the Distributive Effects of Teachers.
2. Weighted Hybrid Matching Method for Causal Inference: A Matching Method for Dataset with Many Covariates.
3. Investigating the Differential Impact of Postsecondary Institution COVID-19 Policies on Students of Different Gender and Race/Ethnicity Groups.
4. Decomposing Gender and Race/Ethnicity Gaps in Engineering Major Choice Among College Students. (with Joyce Main and Rajeev Darolia)
5. The Influence of a Tuition Freeze Policy on Racially Minoritized Students: Purdue University as a Case Study. (with Joyce Main)
6. The Effect of the Emergency Shift to Virtual Instruction on Student Team Dynamics, Task Performance, and Team Satisfaction. (with Siqing Wei, Yiyao Zhang, and Matthew Ohland)

## TEACHING

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Instructor	Transforming Ideas to Innovation II (2022) Transforming Ideas to Innovation I (2021; Teaching Evaluation: <a href="#">Section 1</a> ; <a href="#">Section 2</a> ) Multidisciplinary Engineering Statistics (2019; <a href="#">Teaching Evaluation</a> )
Teaching Assistant	Advanced Microeconomic Theory I (2014; 2015; 2016; 2017) Principles of Microeconomics (2014) Money, Banking and Financial Markets (2013; 2014)

## PROFESSIONAL SERVICE

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Reviews	Economics of Education Review; Education Finance and Policy; Journal of Engineering Education; Journal of Labor Research; Journal of Research on Educational Effectiveness; Scottish Journal of Political Economy; Statistics and Public Policy; Studies in Educational Evaluation; ASEE Annual Conference & Exposition (Conference)
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## SELECTED CONFERENCE PRESENTATIONS

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Society of Labor Economics (SOLE) Annual Meeting (2018)  
Association for Public Policy Analysis and Management (APPAM) Annual Fall Research Conference (2017)  
Association for Education Finance and Policy (AEFP) Annual Conference (2014; 2019)

## DOCTORAL AWARDS (> \$40,000 TOTAL)

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University of Missouri Research Data Center Interdisciplinary Doctoral Fellowship (2018)  
Norman Bowers Scholarship (2016)  
Summer Research Award (2015)  
Harry Gunnison Brown Research Fellowship (2015)  
Harry Gunnison Brown Graduate Student Fellowship (2014)  
Various Professional Presentation Travel Award (2016; 2017; 2018)

## REFERENCES

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Professor Joyce Main (**Postdoctoral** Supervisor, Purdue University)  
Email: [jmain@purdue.edu](mailto:jmain@purdue.edu); Tel: 765-496-6052

Professor Cory Koedel (**Dissertation** Advisor, University of Missouri-Columbia)  
Email: [koedelc@missouri.edu](mailto:koedelc@missouri.edu); Tel: 573-882-3871

Professor David Kaplan (**Dissertation** Committee Member, University of Missouri-Columbia)  
Email: [kaplandm@missouri.edu](mailto:kaplandm@missouri.edu); Tel: 573-884-8005