

# MARISSA ELENA THOMPSON

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## RESEARCH INTERESTS

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Stratification & Inequality • Sociology of Education • Quantitative Methods • Social Policy

## ACADEMIC APPOINTMENTS

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**University of Michigan** 2021-2022  
Postdoctoral Fellow, Education Policy Initiative, Gerald R. Ford School of Public Policy

## EDUCATION

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**Ph.D., Sociology of Education & Education Policy** 2021  
Stanford University

**M.A., Sociology** 2019  
Stanford University

**B.S.E., Chemical and Biomolecular Engineering** 2016  
University of Pennsylvania

## PUBLICATIONS

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\* denotes equal authorship

### Peer-Reviewed Publications:

- 2021 **Marissa E. Thompson**. “Grade Expectations: The role of first-year grades in predicting the pursuit of STEM majors for first- and continuing-generation students”. *The Journal of Higher Education*. [Link]
- 2021 Sorathan Chaturapruek, Tobias Dalberg, **Marissa E. Thompson**, Sonia Giebel, Monique H. Harrison, Ramesh Johari, Mitchell L. Stevens, and René Kizilcec. “Studying Undergraduate Course Consideration at Scale”. *AERA Open*. [Link]
- 2020 Adina Sterling, **Marissa E. Thompson**, Shiya Wang, Abisola Kusimo, Shannon Gilmartin, and Sheri Sheppard. “The Confidence Gap Predicts the Gender Pay Gap Among STEM Graduates”. *Proceedings of the National Academy of Sciences of the United States of America*. [Link]
- 2019 Shannon Gilmartin, **Marissa E. Thompson**, Emily Morton, Helen Chen, Anne Colby, and Sheri Sheppard. “Entrepreneurial Intent of Engineering and Business Undergraduate Students”. *Journal of Engineering Education*. [Link]
- 2016 Ki Jun Yu, Duygu Kuzum, Suk Won Hwang, Bong Hoon Kim, Halvor Juul, Nam Heon Kim, Sang Min Won, Ken Chiang, Michael Trumpis, Andrew G. Richardson, Huanyu Cheng, Hui Fang, **Marissa E. Thompson**, Hank Bink, Delia Talos, Kyung Jin Seo, Hee Nam Lee, Seung Kyun Kang, Jae Hwan Kim, Jung Yup Lee, Younggang Huang, Frances E. Jensen, Marc A. Dichter, Timothy H. Lucas, Jonathan Viventi, Brian Litt, and John A. Rogers. “Bioresorbable silicon electronics for transient spatiotemporal mapping of electrical activity from the cerebral cortex”. *Nature Materials*. [Link]

## Working Papers:

2021 Kaylee T. Matheny\*, **Marissa E. Thompson\***, Carrie Townley Flores\*, and Sean F. Reardon. “Uneven Progress: Recent Trends in Academic Performance Among U.S. School Districts”. [Link]

## Other Publications:

2021 Marissa E. Thompson. “Who’s getting pulled in weed-out courses for STEM majors?” Brown Center Chalkboard, Brookings Institution. [Link]

## Works in Progress:

Marissa E. Thompson. “Examining the Black Gender Gap in Educational Attainment: The Role of Institutional Punishment”.

Marissa E. Thompson\* and Sam Trejo\*. “The Effect of Information on Parental Preferences Regarding School Segregation: Evidence from a Survey Experiment”.

Marissa E. Thompson. “The Effect of School District Secession on Achievement Gaps and School Finance”.

Marissa E. Thompson, Tobias Dalberg, and Elizabeth Bruch. “Curricular Blind Spots: How Course Consideration Varies Across Undergraduate Students”.

## TEACHING

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### Statistical Analysis in Education: Regression

Winter 2019 & 2021

Teaching Assistant under Dr. Eric Bettinger  
Stanford University

## HONORS, FELLOWSHIPS & AWARDS

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Karr Family Fellowship, Stanford University, \$19,000	2018-2019
Institute of Education Sciences (IES) Predoctoral Training Fellowship, \$60,000/2 years	2017-2019
Graduate Fellowship in Science and Engineering, Stanford University, \$125,100/3 years	2016-2021
Enhancing Diversity in Graduate Education Fellowship, Stanford University, \$12,800	2016-2021
Zeisberg Award in Chemical Engineering, American Institute of Chemical Engineers	2017
Melvin C. Molstad Prize in Chemical Engineering, University of Pennsylvania	2016
Exceptional Service Award, University of Pennsylvania	2016

## GRANTS & PROJECTS

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Center for American Democracy, Stanford University, \$2,000 2020  
”Understanding Parental Attitudes Towards School Segregation” with Sam Trejo

Pathways Through College Research Network 2018  
”Sticking with STEM: Gender, Grades, and Persistence” with Monique Harrison and Sorathan Chatu-rapruek

## CONFERENCE PRESENTATIONS

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2021 **Marissa E. Thompson.** “Examining the Black Gender Gap in Educational Attainment”. *American Sociological Association Annual Meeting*. [Virtual presentation due to COVID-19 (scheduled)]

- 2021 **Marissa E. Thompson**, Tobias Dalberg, and Elizabeth Bruch. “Curricular Blind Spots: How Course Consideration Varies Across Undergraduate Students”.  
*American Sociological Association Annual Meeting*. [Virtual presentation due to COVID-19 (scheduled)]
- 2021 **Marissa E. Thompson**. “The Effect of School District Secession on Achievement Gaps and School Finance”.  
*Association for Education Finance and Policy Annual Meeting*. [Virtual presentation due to COVID-19]
- 2020 **Marissa E. Thompson**. “Explaining the Black Gender Gap in Educational Attainment and Intergenerational Mobility”.  
*Association for the Study of Higher Education Annual Meeting*. [Virtual presentation due to COVID-19]
- 2019 Kaylee T. Matheny, **Marissa E. Thompson**, Carrie Townley Flores, and Sean F. Reardon. “Uneven Progress: Trends in Academic Performance Among U.S. School Districts”.  
*Association for Public Policy Analysis and Management Annual Meeting*. Denver, CO.
- 2019 Kaylee T. Matheny, **Marissa E. Thompson**, Carrie Townley Flores, and Sean F. Reardon. “Uneven Progress: Trends in Academic Performance Among U.S. School Districts”.  
*Sociology of Education Annual Meeting*. Pacific Grove, CA.
- 2019 Kaylee T. Matheny, **Marissa E. Thompson**, Carrie Townley Flores, and Sean F. Reardon. “Uneven Progress: Trends in Academic Performance Among U.S. School Districts”.  
*Association for Education Finance and Policy Annual Meeting*. Kansas City, MO.
- 2019 Kaylee T. Matheny, **Marissa E. Thompson**, Carrie Townley Flores, and Sean F. Reardon. “Uneven Progress: Trends in Academic Performance Among U.S. School Districts”.  
*American Sociological Association Annual Meeting*. New York, New York.
- 2019 **Marissa E. Thompson**, Monique Harrison, and Sorathan Chaturapruerk . “Sticking with STEM: Gender, Grades and STEM Persistence”.  
*American Sociological Association Annual Meeting*. New York, New York.
- 2018 Abisola Kusimo, **Marissa E. Thompson**, Sara Atwood, and Sheri Sheppard. “Effects of Research and Internship Experiences on Engineering Task Self-Efficacy on Engineering Students Through an Intersectional Lens”.  
*American Society of Engineering Education Annual Meeting*. Salt Lake City, UT. *Winner of 2018 Best Diversity Paper Award*.
- 2018 Mitchell Stevens, Monique Harrison, **Marissa E. Thompson**, Arik Lifschitz, and Sorathan Chaturapruerk. “Choices, Identities, Paths: Understanding College Students’ Academic Decisions”.  
*American Sociological Association Annual Meeting*. Philadelphia, PA.

## WORKSHOPS

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**Summer Program in Quantitative Methods of Social Research** 2017  
Inter-University Consortium for Political and Social Research (ICPSR)  
Ann Arbor, MI

## DEPARTMENTAL AND UNIVERSITY SERVICE

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Academic Co-Chair, Black Graduate Student Association, Stanford University 2020-2021  
M.A. Representative, Association of Sociology Graduate Students, Stanford University 2020-2021

## PROFESSIONAL SERVICE AND MEMBERSHIPS

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Council Member (Student), Methodology Section, American Sociological Association 2021-Present

### Professional Association Memberships:

American Sociological Association, American Educational Research Association, Sociology of Education Association, Association for the Study of Higher Education, Association for Education Finance and Policy

### Occasional Reviewer:

*AERA Open, The Journal of Higher Education, Sociological Focus*

## SOFTWARE & LANGUAGES

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**Stata** (Advanced) • **R** (Intermediate) • **Python** (Intermediate) • **SQL** (Novice)  
**English** (Native) • **French** (Advanced)