

## Contact Information

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## Education

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Ph.D. Candidate in Economics

2016-Present

Expected Graduation Date: June 2022

Stanford University

B.A. in Economics

2010-2014

Stanford University

## Dissertation Committee

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Professor Matthew Gentzkow (Primary)

Economics Department, Stanford University

[gentzkow@stanford.edu](mailto:gentzkow@stanford.edu)

Professor Caroline Hoxby

Economics Department, Stanford University

[choxby@stanford.edu](mailto:choxby@stanford.edu)

Associate Professor Paulo Somaini

Economics Department, Stanford Graduate School of Business

[soma@stanford.edu](mailto:soma@stanford.edu)

## Fields

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Industrial Organization, Economics of Education.

## Job Market Paper

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*Redesigning Federal Student Aid in Higher Education* (with Shengmao Cao).

**Abstract:** In this paper, we study the equilibrium impact of student aid in the market for sub-baccalaureate higher education and consider the implications of alternative aid policies. We document that the current federal aid system, by subsidizing marginal price increases, incentivizes private for-profit colleges to charge high tuition prices. We also present new descriptive evidence on the importance of advertising in the demand for higher education. Using these facts, we estimate a structural model of supply and demand in this market. We then derive an optimal voucher policy that maximizes educational quality, holding the

quality of schools fixed. We measure quality by estimating the value-added in earnings generated by each sub-baccalaureate college. Counterfactual results show that the optimal voucher system improves the overall quality provided by 12%. Our optimal voucher policy highlights the fact that for-profit colleges, despite being lower quality on average, are more effective at increasing enrollment than public community colleges. Consequently, these schools an important factor for improving the educational outcomes of students.

## Publications

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[Home Price Expectations and Behavior: Evidence from a Randomized Information Experiment](#). (with Basit Zafar and Andreas Fuster). *The Review of Economic Studies* (2018).

[Beyond Word Embeddings: Dense Representations for Multi-modal Data](#) (with Jose Gonzalez-Brenes and Ralph Edezhath). *Proceedings of the 32nd International FLAIRS Conference* (2019).

## Working Papers

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[Learning Product Characteristics and Consumer Preferences from Search Data](#) (with Greg Lewis and Giorgos Zervas). *22nd ACM Conference on Economics and Computation*.

[Informational Inequality In Online Education](#) (with Mohammad Rasouli).

[Online Social Network Effects in Labor Markets: Evidence from Facebook's Entry into College Campuses](#).

[How Does For-profit College Attendance Affect Student Loans, Defaults and Earnings?](#) (with Rajashri Chakrabarti and Mike Lovenheim). *Revise and Resubmit, The Journal of Financial Economics*.

## Work In Progress

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*What is Newsworthy? Information and Bias in the Filtering of News* (with Matthew Gentzkow, Emir Kamenica, and Jesse Shapiro).

## Awards

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Honorable Mention, 2016 National Science Foundation Graduate Research Fellowship Program.

Fellow, 2016 Enhancing Diversity in Graduate Education Doctoral Fellowship Program.

Buckley Award for Best Second Year Paper, 2019, Stanford Economics Department/SIEPR, for *Online Social Network Effects in Labor Markets: Evidence from Facebook's Entry to College Campuses*.

Fellow, 2020 Diversifying Academia, Recruiting Excellence Doctoral Fellowship Program.

Mentee, 2021 AEA Mentoring Program.

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## Professional Activities

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### Conferences

2019: [Young Economists Symposium](#), [Marketplace Innovation Workshop](#), [32nd International FLAIRS Conference](#).

2020: [INFORMS Annual Meeting](#)

2021: [WEAI Annual Conference](#), [AEA Summer Mentoring Pipeline Conference](#), [ACM Conference on Economics & Computation](#)

### Referee Service

*American Economic Review*.

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## Relevant Positions

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Undergraduate Research Assistant to Frank Wolak, Stanford University	Summer 2012
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Research Analyst, Federal Reserve Bank of New York	2014-2016
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Graduate Research Assistant to Matthew Gentzkow, Stanford University	2017-2019
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Data Science Intern, Chegg Inc.	Summer 2017
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Research Intern under Greg Lewis, Microsoft Research	Summer 2018
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Research Advisor, Facebook	2021
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## Teaching Experience

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Teaching Assistant, Economic Policy Seminar (Econ 101), Stanford University	Spring, Fall 2019
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Teaching Assistant, Economics of Education (Econ 146), Stanford University	Winter 2020
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## Citizenship

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United States