# Karl Schulze

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## Office Contact Information

Yale School of Management
The Broad Center
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## Education

**Princeton University** *2018-2024*
Ph.D. in Economics
Thesis: "Essays on Human Capital: Re-skilling, College Major Choice, and the Incidence of Local Labor Market Shocks"
Committee: Adam Kapor (chair), Leah Boustan, Bo Honoré

**University of Chicago** *2011-2015*
B.A. in Economics with Honors, Mathematics B.A.

## Current Position

Postdoctoral Associate, *The Broad Center - Yale School of Management* *2025–Present*

## Previous Positions

Research Economist, *U.S. Bureau of Labor Statistics* *2024–2025*

## Research Interests

PRIMARY Labor Economics, Economics of Education
SECONDARY Empirical Market Design

## References

Professor Adam Kapor
Yale University
adam.kapor@yale.edu

Professor Christopher Neilson
Yale University
christopher.neilson@yale.edu

Professor Seth Zimmerman
Yale University
seth.zimmerman@yale.edu

Professor Leah Boustan
Yale University
leah.boustan@yale.edu

## Job Market Paper

"College Discretion in Admissions and Student Achievement" with Eduard Boehm and Álvaro Carril

*This paper studies how much discretion colleges should have in admissions. We exploit two features of Chile's centralized college admissions system: programs' admission rules are publicly observed,*

*and the assignment mechanism is known. We leverage a reform that expanded programs' discretion by giving them the option to increase emphasis on within-high school rank in admissions. Programs used this discretion very differently: although most could have increased diversity in socioeconomic and gender enrollment, many chose not to. We estimate a model of students' application choices and graduation outcomes that decomposes graduation into selection and heterogeneous causal effects, and we recover programs' preferences over student composition from their observed rule choices. Student–program match explains 21 percent of the variance in predicted graduation, and both students and programs select on it in their applications and admission rules. Mirroring the descriptive evidence, programs differ widely in how much they value match and socioeconomic diversity. Chile's limited discretion performs well against alternatives: test-only admissions and lotteries reduce access or graduation, while full discretion increases segregation.*

## Publications

1. "The Effect of Fertility on Mothers' Labor Supply over the Last Two Centuries." with Daniel Aaronson, Rajeev Dehejia, Andrew Jordan, Cristian Pop-Eleches, and Cyrus Samii. *The Economic Journal*, 2021.
2. "Internal Immigrant Mobility in the Early 20th Century: Evidence from Galveston, Texas." with Daniel Aaronson and Jonathan Davis. *Explorations in Economic History*, 2020.

## Working Papers

1. "Reskilling, Upskilling, and the Role of Education in the Adjustment to Economic Shocks." *Revisions requested at* ***JPE: Micro***
2. "Why Are Some Degrees Worth More Than Others? Student Choices and the Unequal Returns to College Majors." with Justine Hastings, Christopher Neilson, and Seth Zimmerman.
3. "The Effects of Exposure to Waterborne Lead on AFQT Scores." with Joseph Ferrie and Bhashkar Mazumder.

## Works in Progress

1. "The Incidence of Mass Layoff Events: Evidence from Brazil." with Sharada Dharmasankar.

## Other Publications

1. "Household Inequality and the Consumption Response to Aggregate Real Shocks." with Gene Amromin and Mariacristina De Nardi. Federal Reserve Bank of Chicago, *Economic Perspectives*, 2018.

## Previous Research Assistance

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| Research Assistant to Professor Christopher Neilson, *Princeton University* | *2020–2021* |
| Associate Economist, *Federal Reserve Bank of Chicago* | *2015–2018* |
| Research Assistant, *Center for the Economics of Human Development* | *2014–2015* |

## Teaching

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| Spring 2024 | ECO 100: Intro to Microeconomics (Undergraduate), Princeton University<br>Teaching Assistant for Professor Leah Boustan |
| Fall 2023/Spring 2024 | ECO 981: Junior Independent Work (Undergraduate), Princeton University<br>Teaching Assistant for Professor Can Urgun |
| Fall 2021 | ECO 302: Econometrics (Undergraduate), Princeton University<br>Teaching Assistant for Professor Bo Honoré |
| Spring 2021 | ECO 345: Ethics and Economics (Undergraduate), Princeton University<br>Teaching Assistant for Professor Thomas Leonard |
| Fall 2020 | ECO302: Econometrics (Undergraduate), Princeton University<br>Teaching Assistant for Professor Bo Honoré |

## Professional Activities

### Presentations and Seminars (including scheduled)

2026 UC-Irvine, UIC, Southern Economics Association, Midwest Economics Association, Society of Labor Economists
2025 Midwest Economics Association*, Society of Labor Economists
2024 Toulouse School of Economics Education Workshop, Cowles Conference (Labor/Public), Bureau of Labor Statistics, Department of Justice, University of Rochester, University of New South Wales
2023 Cowles Conference (Labor/Public)*, Princeton University (Labor)

* Denotes co-author presentation

### Refereeing

*American Economic Journal: Applied Economics, Journal of Political Economy: Microeconomics, Journal of Human Resources, Journal of Econometrics, Economic Development and Cultural Change*

### Other

*Econometric Society Dynamic Structural Econometrics Summer School*, Participant *2022*

## Honors and Awards

*Richard A. Lester Fellowship*, Industrial Relations Section, Princeton University *2022–2023*
*Graduate Fellowship*, Princeton University *2018–2024*
*Honorable Mention*, National Science Foundation Graduate Research Fellowship *2018*
*Dean's List*, University of Chicago *2011–2015*

## Personal and Other

*Programming Languages*: Julia, R, C++ (Rcpp), Matlab, Stata, LaTeX
*Languages*: English (Native)
*Citizenship*: United States

*Last updated: October 2026*