Max Maydanchik

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EDUCATION

University of Chicago, Department of Economics **Chicago, IL**
Ph.D. in Economics *2021 – 2027 (Expected)*

- Job Market Paper: "Salesforce Competition in Residential Solar"
- Fields: Industrial Organization, Energy & Environmental Economics, Public Economics
- Advisors: Ali Hortaçsu (chair), Eric Richert, Koichiro Ito, Felix Tintelnot

Georgetown University, School of Foreign Service **Washington, DC**
B.S.F.S. (with honors) in International Economics *2015 – 2019*

- *Magna cum laude* (GPA 3.911/4.0)

EXPERIENCE

Ph.D. Student **Chicago, IL**
University of Chicago, Department of Economics *2021 – Present*

- Used Julia and Stata to analyze effect of door-to-door salespeople in the California residential solar market
- Assembled a dataset linking publicly available solar installation records to salesperson registrations acquired via a Public Records Act request and administrative utility billing records acquired via the Energy Data Request Program for researchers, facilitating estimation of a structural model of demand and supply
- Employed recent advances in causal machine learning methods to use billing records to estimate heterogeneity in electricity bill savings from solar adoption
- Coauthored an analysis of the Inflation Reduction Act's electric vehicle tax credits, highlighting implications for and tensions between subsidy design, industrial policy, and environmental goals
- Wrote a computational working paper on a novel simulation method to draw from nested logit distributions, with comparisons to existing methods

Teaching Assistant **Chicago, IL**
University of Chicago, Department of Economics *March 2023 – December 2025*

- Elements of Economic Analysis I in Fall 2023 (Monagan); twice more in Fall 2025 (Hersey, Ersoy)
- Econometrics in Spring 2024 (Richert)
- Applied Empirical Industrial Organization in Spring 2023 (Arnold)

Research Assistant to Felix Tintelnot **Chicago, IL**
University of Chicago, Department of Economics *June 2023 – May 2024*

- Reviewed derivations for correctness and wrote proofs for an extension to a spatial equilibrium model

Research Assistant to Amanda Pallais **Cambridge, MA**
Harvard University, Department of Economics *August 2019 – June 2021*

- Implemented a field experiment among graduate students to study friendship formation and loneliness
- Learned HTML and SQL to design a webpage for the experiment and pull responses into a database
- Performed literature reviews and used Stata to analyze experimental data
- Compiled trends in alternative work arrangements using GSS, CPS, ACS, ATUS, and UAS survey data

Teaching Assistant **Washington, DC**
Georgetown University, Department of Economics *August 2017 – May 2019*

- Principles of Macroeconomics in Spring 2019 (Rogers); Principles of Microeconomics in Fall 2018 (Levinson); International Trade in Fall 2017 (Cebi Wilber)

Research Intern **Washington, DC**
American Action Forum *June 2018 – August 2018*

- Mapped Section 301 tariff lists to USITC import data using HTS-NAICS crosswalks
- Compiled a weekly report of macroeconomic indicators to present to senior staff

RESEARCH

1: "Salesforce Competition in Residential Solar," *Job market paper*.

2: "The Effects of 'Buy American': Electric Vehicles and the Inflation Reduction Act" (with Hunt Allcott, Reigner Kane, Joseph S. Shapiro, and Felix Tintelnot), *Revise and resubmit, American Economic Review*.

3: "Exact Simulation of Nested Logit Draws," *Working paper*.

4: "Bunching at Price Ceilings: Evidence from a Solar Rebate," *Work in progress*.

SERVICE, AWARDS, AND ACTIVITIES

- Outstanding Graduate Teaching Assistant Award *2026*
- Co-organizer, Industrial Organization Workshop, University of Chicago *2024–2026*
- Co-founder, Industrial Organization Ph.D. Student Reading Group, University of Chicago *2023–2024*
- Referee for: *Review of Economics and Statistics*, *Journal of Public Economics*, *Journal of Economic Inequality*
- Grants: Department of Economics Data Project Funding Grant *2025*
  CEGU Redekop Family Environmental Research Grant *2024*
  Becker Friedman Institute Public Economics Initiative Grant *2024*
- Econometric Society Summer School in Dynamic Structural Econometrics, UW–Madison *2024*
- Managing Editor (Online), Georgetown Journal of International Affairs *2017–2018*
- Peter G. Peterson Foundation Fiscal Internship Program *2017*

OTHER INFORMATION

Programming: Stata, Julia, Python, R, SQL
Citizenship: United States of America
Languages: English (native)