

WORK

GoodParty.org
Research Director

2025 —

Massachusetts Institute of Technology
Research Director, M.I.T. Election Data and Science Lab

2022 — 2025

EDUCATION

PhD, *Political Science and Scientific Computing*, University of Michigan 2022
 MS, *Mathematics*, University of Michigan 2021
 Graduate Certificate, *Complex Systems*, University of Michigan 2018
 BSc (Honours), *Astrophysics and Political Science*, University of Toronto Victoria College 2016

PUBLICATIONS

Political science articles

2025. “[Audits of the 2020 American election show an accurate vote count](#)”.
 With Fernanda Gonzalez, Kevin Guo, Jacob Jaffe, and Charles Stewart III.
Proceedings of the National Academy of Sciences.
2025. “[The probability of casting a pivotal vote in an instant runoff voting election](#)”.
Political Analysis.
2024. “[Cast vote records: A database of ballots from the 2020 U.S. Election](#)”.
 With 12 others. *Nature: Scientific Data*.
 Winner, 2024 MIT Prize for Open Data.
2024. “[Trust in the count: Improving voter confidence with post-election audits](#)”.
 With Jacob Jaffe, Joseph Loffredo, Alejandro Flores, and Charles Stewart III.
Public Opinion Quarterly.
 Winner, 2023 ESRA conference Best Poster Prize.
2024. “[Votes can be confidently bought in some ranked ballot elections, and what to do about it](#).” With Jack R. Williams and Charles Stewart III. *Political Analysis*.
2023. “[What happens when the president calls you an ‘enemy of the people’? Election officials and public sentiment](#)”. With Joelle Gross and Charles Stewart III. *Election Law Journal*.
2022. “[American election results at the precinct level](#)”. 11 coauthors. *Nature: Scientific Data*.
2022. “[An unexpected consensus among diverse ways to measure democracy](#)”.
 With Fabricio Vassalai and Allen Hicken. *Democratization*.
2022. “[Reducing bias in Wikipedia’s coverage of political scientists](#)”.
PS: Political Science & Politics.

Book chapters

2024. “[Online hostility towards local election officials surged in 2020](#)”. With Joelle Gross, Thessalia Merivaki, Mara Suttman-Lea, and Charles Stewart III. Ed. Dari Tran. *Pandemic at the polls*, Lexington Press.
2022. “[Political institutions and democracy](#)”. With Allen Hicken and Fabricio Vasselai. Eds. Michael Coppedge *et al.* *Why Democracies Develop and Decline*, Cambridge University Press.

Recreational math

2024. “[The Clock Game: Phrasing a valid equality from an arbitrary sequence of digits](#)”. *Pi in the Sky* (a recreational math venue refereed by mathematicians)

UNDER REVIEW

“Simulating Electoral System Changes and how Voters Might Respond”.
Revise and Resubmit at the *Journal of Politics*.

EDITORIAL SERVICE

Editorial Board member, *Nature: Scientific Data*

2024 —

PUBLIC WRITING

Samuel Baltz, “Wikipedia’s political science coverage is biased. I tried to fix it.” *The Monkey Cage* in *The Washington Post*, 2021 February 24. [[Original](#)] [[Archive](#)]

FELLOWSHIPS AND AFFILIATIONS

Affiliated Scholar, Institute for Mathematics and Democracy	2024
Rackham Predoctoral Fellow	2021 — 2022
Fellow, Michigan Institute for Computational Discovery and Engineering	2019 — 2020
Visiting researcher, Universidade de São Paulo & Fundação Getulio Vargas	August 2019

CONFERENCES AND TALKS

Invited talks (me or a coauthor)

Election Trust Research Group	2024
Cambridge, MA city commissioners’ meeting	2023
Joint GCC-SCC Managing Mis/Disinformation Working Group Meeting	2023
Open Knowledge Foundation, election data roundtable	2023
Why Democracies Develop and Decline conference, University of Notre Dame	2023
Metric Geometry and Gerrymandering Group seminar, Tufts University	2023
CEPESP, Fundação Getulio Vargas, São Paulo, Brazil (I gave this talk in Portuguese)	2019

Conferences

Southern Political Science Association (3x)	2023/24/25
Canadian Political Science Association (4x)	2021/22/23/24
Election Science, Reform, and Administration Conference (3x)	2022/23/24
Brennan Center for Justice convening	2024
American Political Science Association (4x)	2019/20/22/23

Midwest Political Science Association (4x)	2017/18/19/23
CLEA Mini-conference on Subnational Election Data	2022
Society for Political Methodology (4x)	2019/20/21/22
Conference on Politics and Computational Social Science (4x)	2019/20/21/22
Society for Political Methodology, Europe	2021
Swiss Political Science Association	2021
Society for Industrial and Applied Mathematics	2020
Society for Industrial and Applied Mathematics, Great Lakes section	2019
European Social Simulation Association	2017

TEACHING

Primary instructor

Math Camp (<i>For the first year political science PhD cohort</i>)	2020
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Graduate student instructor

POLSCI 598: Math for Political Scientists (<i>TA for Iain Osgood, 2x</i>)	2019/20
POLSCI 681: Intermediate Game Theory (<i>TA for Scott Page</i>)	2019
POLSCI 599: Statistical Methods in Political Research I (<i>TA for Yuki Shiraito</i>)	2018
POLSCI 993: Graduate Student Mentor (<i>TA for Lisa Disch</i>)	2018
CSCS 391: Modeling Political Processes (<i>TA for Scott Page</i>)	2017

Grader or assistant

POLSCI 699: Statistical Methods in Political Research II (<i>Grader for Kevin Quinn</i>)	2021
POLSCI 681: Intermediate Game Theory (<i>Grader for James Morrow</i>)	2020
POL314: Public Opinion (<i>R and Stata tutorials for Neil Nevitte's students</i>)	2015

SELECTED WORK HISTORY

Elite Educational Institute, Tutor	2015 — 2016
Catalist, Analytics intern	2014
Greenberg Quinlan Rosner Research, Analytics intern	2013

PROFESSIONAL SERVICE

Co-organizer, Complex Systems Advanced Academic Workshop (4x)	2017 — 2021
Co-president, UMich Graduate Association of Political Scientists (elected)	2019 — 2020
Political science graduate admissions committee (nominated by colleagues)	2018 — 2019
Coordinator, UMich political science graduate student coffee club	2018 — 2019
Co-founder, Students for the Exploration and Development of Space, Canada	2013 — 2016
Elected to 3 terms as a Director of this Federal Not-for-profit Corporation	