

Jacob Gifford

Address

School of Economic Sciences
Washington State University
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Contact Information

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Education

- **Ph.D., Economics** **Expected 2027**
Washington State University, School of Economic Sciences (SES); Pullman WA
Fields: Environmental/Natural Resource Economics, Econometrics
Committee: Jonathan Yoder (Chair, SES), Michael Brady (SES), Kirti Rajagopalan (Biological Systems Engineering)
- **B.S., Economics** **2022**
Minors in Mathematics, Sociology, and GIS
Brigham Young University - Idaho; Rexburg, ID
Cum Laude

Research in Progress

- Gifford, Jacob (2025). “A Hydroeconomic Model of Intraseasonal Environmental Streamflow Leasing for Salmon and Steelhead Conservation in an Agricultural Basin”. *In Progress*
- Gifford, Jacob (2025). “Crop Choice as Hostage: Rule Commitment, Rent Seeking, and Water Allocation in the Pacific Northwest”. *In Progress*
- Gifford, Jacob (2025). “Network Dynamics of Environmental Streamflow Acquisition Regimes: Market Power, Precautionary Savings and Liquidity Constraints Under Uncertainty”. *In Progress*

Peer Reviewed Publications

- Basu, Reetwika, Jacob Gifford, Michael Brady, Joseph Cook, Kirti Rajagopalan, and Jonathan Yoder (2025). “An Agent-Based Model of Agricultural Water Market Structure and Function”. *Water Resources and Economics*, p. 100267. issn: 2212-4284. doi: [10.1016/j.wre.2025.100267](https://doi.org/10.1016/j.wre.2025.100267).

Invited Department Seminars

- “An Agent-Based Model of Agricultural Water Market Structure and Function.” Department of Computational and Data Sciences, George Mason University, October 2024.

Other Professional Work and Publications

- Gifford, J. (2023) Property Flood Risk Model of the Henrys Fork River. Fremont County GIS Office.
- Gifford, J. Martin, M. (2022) College of Business and Communication Diversity and Inclusion Statistical Report. Brigham Young University - Idaho.
- Gifford, J., & Oliver, J. (2021). Black Lives Matter and Granger Causal Testing: A Signal of Economic Deprivation. Modern Economy, 12(11), 1666-1685 <https://doi.org/10.4236/me.2021.121108>
- Sarpong D., Osei-Asare Y., Gray B., Tsekpo E. (2022) FarmGrow: Farm Development Plans for Small-holder Cocoa Farmers in Ghana Endline Report. Grameen Foundation (acknowledged contributions).

Instructional Experience

- **Primary Instructor**, SOC 295-R Games in Economic Sociology 2022
Department of Sociology and Social Work, Brigham Young University–Idaho
(Note: Original half-semester course design and sole instructional delivery as 4th year undergraduate student; faculty supervision by Dr. Jeffrey Oliver)

Other Professional Activities

- Presenter and Participant, AgAID Meeting, Corvallis, OR (2023)

Professional Work Experience

- Graduate Research Assistant, Jonothan Yoder, School of Economic Sciences, WSU; 2024-2025
- GIS Analyst Intern, Fremont County Idaho; GIS Office 2023
- GIS Consultant, Better in our Backyard; see project map at:
<https://betterinourbackyard.com/projects-we-support/> 2023
- Research Intern, Grameen Foundation 2021-2022

Fellowships, Grants, Honors, & Awards

- Ezra Taft Benson Award for Excellence in Economics, Brigham Young University - Idaho
- Thomas E. Ricks Academic Grant (4 Years), Brigham Young University - Idaho

Professional Service

- Economics society president, Brigham Young University - Idaho 2021

Last Update: October 2025