

# Jacob Gifford

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## Address

School of Economic Sciences  
Washington State University  
Pullman, WA 99163

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## Contact Information

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## Education

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| <ul style="list-style-type: none"><li>• <b>Ph.D., Economics</b><br/>Washington State University, School of Economic Sciences (SES); Pullman WA<br/><b>Fields:</b> Environmental/Natural Resource Economics, Econometrics<br/><b>Committee:</b> Jonathan Yoder (Chair, SES), Michael Brady (SES), Kirti Rajagopalan (Biological Systems Engineering)</li><br/><li>• <b>B.S., Economics</b><br/>Minors in Mathematics, Sociology, and GIS<br/>Brigham Young University - Idaho; Rexburg, ID<br/>Cum Laude</li></ul> | <b>Expected 2027</b> |
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## 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*

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## 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).

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## 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**

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- 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 Smallholder Cocoa Farmers in Ghana Endline Report. Grameen Foundation (acknowledged contributions).

## **Instructional Experience**

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- **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**

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

## **Professional Work Experience**

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- Graduate Research Assistant, Jonathan 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**

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- 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**

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- Economics society president, Brigham Young University - Idaho 2021

Last Update: October 2025