

Jacob Gifford

Address

School of Economic Sciences
Washington State University
Pullman, WA 99163

Contact Information

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Education

- **Ph.D., Economics** **Expected 2027**
Washington State University, School of Economic Sciences (SES), WA
Fields: Environmental/Natural Resource Economics, Econometrics
Committee: Jonathan Yoder (Chair, SES), Kirti Rajagopalan (Biological Systems Engineering)
- **B.S., Economics** **2023**
Minors in Mathematics and GIS
Brigham Young University - Idaho, Rexburg, ID
Cum Laude

Research in Progress

Basu, Reetwika, Jacob Gifford, Michael Brady, Joseph Cook, Kirti Rajagopalan, and Jonathan Yoder (2025).
“An Agent-Based Model for Assessing Agricultural Water Market Structure and Function”. Manuscript under review.
Gifford, Jacob (n.d.). “Basin-Scale Spatial-Dynamic Network Model of Optimal Short-term Environmental Streamflow Augmentation Under Seasonal Forecast Uncertainty and Full Appropriation”.

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
- Eagle Scout Recipient

Research Interests

- Dynamic computational modeling, network optimization, remote sensing, econometrics.

Professional Experience

- Research Assistant, Jonathan Yoder, School of Economic Sciences, WSU; 2024-2025
 - Technology for Trade Project NIFA Project 1016467

- AgAID Institute Water Intelligence Group
- GIS Analyst Intern, Fremont County Idaho GIS Office 2023
- GIS Consultant, Better in our Backyard 2023
- Research Lead, College of Business and Communication, Brigham Young University - Idaho 2022
- Research Assistant, Jeffrey Oliver, Department of Sociology, Brigham Young University - Idaho 2021
- Research Intern, Grameen Foundation 2021-2022

Teaching

- Instructor for SOC 295-R Games in Economic Sociology, 2021-2022
Department of Sociology, Brigham Young University-Idaho

Professional Service

- Economics Society President, Brigham Young University - Idaho 2021

Undergraduate and Other Non-Refereed Publications

- Gifford, J. (2023) A Probabilistic Peak Flood Risk Model of the Henrys Fork in Fremont County. Fremont County GIS Office.
- Gifford, J. Martin, M. (2022) College of Business and Communication Diversity and Inclusion Report. Brigham Young University - Idaho (please request access).
- 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 (Contributions).
- 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.2021.1211084>

Foreign Language

- Portuguese

Last Update: January 2025