

Jessica Osanya

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EDUCATION

Oregon State University	Corvallis, OR
Ph.D., Applied Economics	Expected June 2026
University of Nairobi	Nairobi, Kenya
M.Sc., Agricultural and Applied Economics	2018
University of Nairobi	Nairobi, Kenya
B.Sc., Agribusiness Management	2014

WORK EXPERIENCE

Department of Applied Economics, Oregon State University

Graduate Research Assistant

Jun 2023 - Present

- Constructed Social Accounting Matrices (SAMs) and calibrated Computable General Equilibrium (CGE) models using IMPLAN data in GAMS to analyze economywide effects of policy interventions, including the Supplemental Nutrition Assistance Program (SNAP) and industrial hemp expansion in the U.S.
- Conducted economic impact and scenario modeling to estimate effects of alternative policy interventions on GDP, employment, household welfare, and sectoral trade flows.
- Analyzed large-scale survey data on smallholder participation in digital advisory tools in Zambia using Stata and Python, applying econometric and behavioral modeling techniques.
- Drafted and coauthored multiple research papers for academic publication; one currently under review and two in progress

Emerge Center for Innovations-Africa

Program Officer

Nairobi, Kenya

Jul 2019 - Jul 2021

- Conducted comprehensive literature reviews to inform the development of policy briefs.
- Collected and analyzed data to support multiple client project initiatives.
- Contributed to the drafting of policy briefs across diverse assignments.

International Maize and Wheat Improvement Centre (CIMMYT)

Junior Agricultural Economist, Intern

Nairobi, Kenya

Jan 2016 - Jun 2019

- Conducted literature reviews for gender-focused studies on the adoption of improved maize varieties.
- Analyzed survey data to identify adoption patterns and gender differences in agricultural practices.
- Drafted publications to support research dissemination and contribute to the field of agricultural economics.

Food and Agriculture Organization of the United Nations (FAO)

Research Assistant

Nairobi, Kenya

Mar 2018 - May 2018

- Contributed to the development of a survey questionnaire and collected data on post-harvest losses in maize from various stakeholders across multiple counties in Kenya.
- Inputted and analyzed collected data, supporting efforts to understand and address post-harvest challenges in the region.

M-farm Limited

Intern

Nairobi, Kenya

Feb 2013 - May 2013

- Conducted client profiling through direct outreach and accurately updated the organization's database.
- Engaged in research and outreach to potential partner companies, facilitating the scheduling of meetings.

- Represented the organization at industry forums and fairs, enhancing its visibility and network.
- Addressed client inquiries efficiently via phone, ensuring customer satisfaction and prompt resolution.
- Developed a customer care process aimed at improving staff interaction with clients.

University of Nairobi

Nairobi, Kenya

Research Assistant

Jun 2012 - Sep 2012

- Conducted interviews and participated in focus group discussions with local residents in coastal Kenya, gathering qualitative data for research initiatives.
- Input and analyzed collected data to derive insights and support research findings.

Koinonia Community

Administrative Assistant

Sep 2009 - May 2014

- Provided program support to the administrative team through maintaining records of various documents
- Supported organizational operations by maintaining accurate program and administrative records.
- Managed staff files and documentation, ensuring compliance with organizational standards.
- Processed financial transactions, including preparing cheques, issuing petty cash, and disbursing funds to project managers.
- Assisted with payroll preparation and remittance of statutory deductions, contributing to timely and accurate staff compensation.
- Coordinated incoming correspondence, ensuring effective communication flow across departments.

TEACHING EXPERIENCE

Course Instructor, Oregon State University

- AEC 253 – Environmental Law, Policy and Economics (Hybrid), Spring 2025
- AEC 253 – Environmental Law, Policy and Economics (E-Campus), Fall 2024, Spring 2023, Summer, Fall 2022
- AEC 250 – Introduction to Environmental Economics and Policy (E-Campus), Winter 2023

Teaching Assistant, Oregon State University

- AEC 446/546 – Introduction to Applied Econometrics, Winter 2025
- AEC 221 - Agricultural and Food Marketing, Spring 2022
- AEC 253 - Environmental Law, Policy and Economics, Winter 2022
- AEC 388 - Agricultural Law, Fall 2021

WORK-IN-PROGRESS

- Heeding the Call: How Feedback Mechanisms Shape Farmer Engagement with Digital Extension and Advisory Services in Zambia - with Monica Fisher (Job Market Paper)
- Osanya J., and Reimer, J. (2025). Quantifying the Economywide Impacts of Industrial Hemp Adoption in the U.S. Under Review, Journal of Agricultural Resource Economics

PUBLICATIONS

- Osanya J., and Reimer, J. (2024). Economywide Impacts of the Supplemental Nutrition Assistance Program (SNAP). Journal of the Agricultural and Applied Economics Association, <https://doi.org/10.1002/jaa2.115>
- Osanya, J., Adam, R., Otieno D., Nyikal, R. and Jaleta, M. (2020). An Analysis of the respective contributions of husband and wife in farming households in Kenya to decisions regarding the use of income: A multinomial logit approach. Women Studies International Forum 83(2020) 102419, <https://doi.org/10.1016/j.wsif.2020.102419>
- Adam, R.I, Mmbando, F., Lupindu, O., Ubwe, R.M., Osanya, J., and Muindi, P. (2020). Beyond maize production: Gender relations along maize value chain in Tanzania. AgriGender 5(2):27-41, <https://doi.org/10.22004/ag.econ.338769>

- Adam, R. I, Quinhentos, L, M., Muindi, P., and Osanya, J. (2019). Gender relations along maize value chain in Mozambique. Outlook on Agriculture 49(2). <https://doi.org/10.1177/0030727019888661>

CONFERENCES AND PRESENTATIONS

- Osanya J., and Reimer, J. (2025). Quantifying the Economywide Impacts of Industrial Hemp Adoption in the U.S. Agricultural and Applied Economics Association (AAEA) Annual Meeting, Denver, Colorado, July 27-29, 2025
- Osanya J., and Reimer, J. (2024). Renewables to the Rescue: Industrial Hemp as an alternative to Fossil Fuels. Applied Economics Working Group, Oregon State University, October 16, 2024
- Osanya J., and Reimer, J. (2024). Economywide Impacts of the Supplemental Nutrition Assistance Program (SNAP). 27th Annual Conference on Global Economic Analysis, Colorado State University, June 5-7, 2024
- Osanya, J., Adam, R., Otieno, D, and Nyikal, R. (2017). Characterization of Intra-Household Gender Relations in Agriculture in Kenya: Access to Institutional Support Factors and Decision-Making. Egerton University 11th International Conference, Egerton University, Kenya, March 29-31, 2017

HONORS, AWARDS AND RECOGNITIONS

- 2nd Place, Oregon State University Three-Minute Thesis Competition, 2025
- Annual Conference on Global Economic Analysis Scholar, Global Trade Analysis Project (GTAP), 2024
- Graduate Student Spotlight, Department of Applied Economics, Oregon State University, 2025
<https://appliedecon.oregonstate.edu/appliedecon/graduate-student-spotlight-jessica-osanya>
- Provost's Distinguished Graduate Scholarship, Oregon State University, 2021-2022
- Bonte-Friedheim Scholarship, Oregon State University, 2021-2022
- University of Nairobi Scholarship on Merit, Awarded for Exemplary Performance, 2014
- University of Nairobi Certificate of Merit, Awarded for Best Performing Student in Fourth Year, 2014
- African Economic Research Consortium (AERC) Sponsorship, Shared Facility for Specialization and Electives Programme, University of Pretoria, South Africa, August-November 2015

CERTIFICATIONS

Introduction to Computable General Equilibrium Modeling in the GTAP Framework, Center for Global Trade Analysis	2023
Machine Learning and Statistical Analysis,, WorldQuant University	2021
Scientific Computing and Python for Data Science, WorldQuant University	2020

PROFESSIONAL SERVICE

- Conference Reviewer, Annual Conference on Global Economic Analysis, GTAP, 2024, 2025
- Peer Reviewer, Journal of Agricultural and Resource Economics, 2023, 2024

PROFESSIONAL DEVELOPMENT

, Bureau for Research and Economic Analysis of Development (BREAD) and International Growth Centre (IGC)	Sep 2025
• Virtual PhD Course on Social Protection	
Member , Toastmasters International	Since 2020
• Participate in regular public speaking and evaluations • Completed Level 2 of the Presentation Mastery Pathway	

PROFESSIONAL MEMBERSHIP

Member, Agricultural and Applied Economics Association (AAEA)

SKILLS

Python • Stata • R • Gams • ArcGIS • Computable General Equilibrium (CGE) Modeling • Policy Simulation • Public Speaking • Academic Presentations • Science Communication