

# YUJUAN GAO

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## EDUCATION

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| <b>University of Florida</b><br><i>Food and Resource Economics Department</i><br><i>Ph.D., Applied Economics</i><br><i>Graduate School Fellowship (Merit-based, 2021 – 2025)</i> | <i>August 2021 - Current</i>       |
| <b>Stanford Center on China's Economy and Institutions</b><br><i>Visiting Graduate Research Fellow</i>   | <i>August 2018 - August 2019</i>   |
| <b>Shaanxi Normal University</b><br><i>M.A., Economics</i>   | <i>August 2016 - December 2019</i> |
| <b>Shanxi University of Finance and Economics</b><br><i>B.S., Statistics</i>   | <i>September 2012 - July 2016</i>  |

## PROFESSIONAL EXPERIENCE

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| <b>Institute for Development Impact, Washington, D.C.</b><br><i>Impact Measurement &amp; Evaluation Specialist (Independent Contractor)</i> | <i>December 2025 - Current</i>  |
| <b>Stanford Center on China's Economy and Institutions</b><br><i>Research Assistant</i>   | <i>July 2025 - Current</i>      |
| <b>Food and Resource Economics Department, University of Florida</b><br><i>Teaching and Research Assistant</i>                              | <i>August 2021 - July 2025</i>  |
| <b>Save the Children, China</b><br><i>Consultant for Yunnan Ludian 0-3 Years Early Childhood Development Project</i>                        | <i>July 2020 - January 2021</i> |

## RESEARCH FIELDS

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Primary: Development Economics, Health Economics, Economics of Education

Secondary: Spatial Economics, Causal Inference, Food Nutrition

## JOB MARKET PAPER

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**Bridging the Digital Divide: How 3G Internet Coverage Transforms Fertility Decisions in Nigeria**, Accepted for Presentation (Poster), ASSA 2026 [[click here](#)]

*This paper examines whether mobile internet access influences fertility behavior and women's autonomy in high-fertility settings. I link georeferenced 3G coverage data to 80,247 women from the 2013 and 2018 Nigerian Demographic and Health Surveys, using reconstructed birth histories to form a birth panel spanning 2013–2018, and match these outcomes to local 3G coverage measured over the 2012–2017 rollout period. Exploiting the staggered expansion of mobile broadband infrastructure, I implement heterogeneity-robust difference-in-differences designs. A one-standard deviation increase in 3G coverage reduces the annual birth probability among adolescent women (ages 12–20) by 1.3–1.8 percentage points. Event-study estimates confirm parallel pre-trends and show that effects strengthen with exposure duration. Mechanism analyses indicate that fertility reductions operate through delayed co-habitation and postponed first births rather than increased contraceptive adoption. Mobile internet exposure also improves educational attainment and shifts young women from unpaid or family labor into moderate-skill wage employment, consistent with rising opportunity costs of early childbearing.*

## SKILLS

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R, Stata, Python, SQL, ArcGIS, L<sup>A</sup>T<sub>E</sub>X, GitHub, scikit-learn, EconML, Qualtrics, ArcGIS

## SELECTED PUBLICATIONS

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“Do Color-Coded Nutrition Facts Panels Nudge the Use of Nutrition Information on Food Packaging?” (with Xuqi Chen, Lisa House, and Zhifeng Gao) *Food Policy*, 2024. [click here]

“Associations between Urbanization and the Home Language Environment: Evidence from a LENA Study in Rural and Peri-urban China” (with Yue Ma, Scott Rozelle, *et al.*) *Child Development*, 2023. [click here]

“Maternal Health Behaviors during Pregnancy in Rural Northwestern China” (with Yue Ma, Sarah-Eve Dill, *et al.*) *BMC Pregnancy and Childbirth*, 2020. [click here]

“Arrival Order for Positive and Negative Effects of Parental Migration on the Academic Performance of Left-behind Children in Rural China” (with Yu Bai) *Studies in Labor Economics* (in Chinese), 2018.

## WORKING PAPERS

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**Unintended Consequences of Best Intentions: Examining Spillover Effects in Targeted Supplementary Education Interventions** (with Conner Mullally and Yue Ma), Under Review at *Economics of Education Review* [click here]

*This study investigates spillover effects from targeted educational interventions in resource constrained settings. Through a cluster-randomized controlled trial across 130 rural Chinese primary schools, I assigned boarding students to computer-assisted learning (CAL), traditional workbook exercises, or control conditions, then measured effects on over 6,400 untreated non-boarding classmates. Workbook interventions generated significant negative spillovers, reducing non-boarding students' math performance by 0.087 standard deviations, with effects intensifying among students who frequently interacted with treated peers and in classrooms with higher treatment density. In contrast, CAL programs implemented outside regular classrooms produced no spillover effects. Mechanism analysis reveals that workbook exposure undermines untreated students' instrumental motivation—their belief that mathematical effort will improve future opportunities—while leaving classroom competition and teacher attention patterns unchanged.*

**Friendship Formation and Peer Effect: Using Seat Distribution as an Instrument** (with Yu Bai and Scott Rozelle), Under Revision at *China Agriculture Economic Review* [click here]

*This paper studies how physical distance shapes peer networks and academic achievement in rural Chinese primary schools. Using data from 2,956 students and exploiting exogenous seating assignments as an instrument for study-partner formation, we find that belonging to a higher-performing study group increases individual math achievement by about 0.11 standard deviations. Effects are strongest for lower- and middle-performing students and in more cohesive groups. Mediation analysis shows that gains operate primarily through improved intrinsic motivation and academic self-concept, highlighting spatial proximity as a low-cost lever for enhancing learning.*

**Using Text Messages to Improve Parenting Knowledge and Early Childhood Development in Rural China** (with Yue Ma and Susanna Loeb), Under Review at *Education Finance and Policy* [click here]

*This study evaluates whether low-cost “Tips-by-Text” interventions can improve early childhood outcomes in under-resourced rural Chinese communities. Drawing on a randomized controlled trial with caregivers of children ages 0–3, the program delivered weekly text messages offering actionable guidance on play, language stimulation, and nutrition. The intervention significantly increased caregiver engagement, strengthened home learning environments, and improved children's language and cognitive development. Impacts were largest among caregivers facing higher parenting barriers. The results demonstrate that simple, scalable mobile messaging can effectively support early childhood development where access to formal services is limited.*

## WORK IN PROGRESS

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Maternal Migration and Early Child Development in Rural China  
Determination of Labor Demand and Wage, Evidence from 500 million Job Post in China

## POLICY AND OUTREACH WRITINGS

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Bai, Yu and **Yujuan Gao** (2021). “Save the Children Yunnan Ludian 0-3 Years Early Childhood Development Project (2019-2020) Evaluation Report.”

## TEACHING EXPERIENCE

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| AEB 3103 - Principles of Food & Resource Economics | TA for 49 students | 2025 |
| AEB3341 - Selling Strategically                    | TA for 65 students | 2024 |
| AEB3133 - Principles of Agribusiness Management    | TA for 89 students | 2023 |
| IDS 2935-22961 - How Do We End Poverty?            | Guest Lecture      | 2023 |
| AEB3671 - Comparative World Agriculture            | TA for 69 students | 2023 |
| AEB4283 - International Development Policy         | TA for 77 students | 2022 |
| AEB4673 - International Agricultural Trade         | TA for 9 students  | 2022 |

## AWARDS AND SCHOLARSHIPS

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| J. R. Greenman Memorial Scholarship from CALS, University of Florida              | 2022, 2024 |
| Young Scholar Excellent Paper Award, China Education Finance Research Association | 2023       |
| Best Paper Awards, Agricultural & Applied Economics Association Annual Conference | 2020       |

## CONFERENCES AND SEMINAR PRESENTATIONS

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- 2026: ASSA (Scheduled)  
2025: ASSA; AAEA; Advances with Field Experiments (AFE); NABE Tech Economics Conference  
2024: Global GLO-JOPE Conference (Job Market Session); APPAM Fall Conference; CES North America Annual Conference; PacDev at Stanford; SSC Young Researcher Workshop at Stanford; AAEA  
2023: NEUDC at Harvard; AAEA Annual Conference  
2022: WEAI 97th Annual Meeting  
2020: AAEA Annual Conference

## PROFESSIONAL ACTIVITIES

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- Referee:** BMC Public Health; PLOS One  
**Certification:** Preparing Future Faculty Program, Center for Teaching Excellence, University of Florida (Fall 2024)  
**Service:** Mentor, 2025 Summer AEA Mentoring Program

## REFERENCES

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|  |   |
|--|---|
| Professor Conner Mullally (Chair)<br>University of Florida<br>Food and Resource Economics Department<br>connerm@ufl.edu<br>(352)294-7680   | Professor Scott Rozelle (Committee)<br>Stanford University<br>Stanford Center on China's Economy and Institutions<br>rozelle@stanford.edu<br>(650) 862-0466     |
| Professor Jared E. Gars (Committee)<br>University of Florida<br>Food and Resource Economics Department<br>jgars87@ufl.edu<br>(352)294-7692 | Professor Xinde “James” Ji (Committee)<br>University of Guelph<br>Food, Agriculture, and Resource Economics Department<br>james.ji@uoguelph.ca<br>(315)600-6676 |