

Zachariah Rutledge

Ph.D. Candidate

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Education

Ph.D. in Agricultural and Resource Economics, University of California, Davis, Expected 2021

Dissertation Title: The Impacts of Immigrant-Induced Shifts in the Low-Skilled Labor Supply in the United States

Committee: Pierre Mérel (chair), J. Edward Taylor, and Giovanni Peri

Fields: Labor, Agriculture, Development, and Econometrics

M.S. in Agricultural and Resource Economics, University of California, Davis, 2016

B.A. in Economics, University of California, Davis, 2015 (with highest honors)

Peer-Reviewed Publications

“Can Wages Rise Quickly Enough to Keep Workers in the Fields?” with Diane Charlton, J. Edward Taylor, and Stavros Vougioukas. *Choices*, 34(2). (2019). [Link](#)

“Innovations for a Shrinking Agricultural Workforce,” with Diane Charlton, J. Edward Taylor, and Stavros Vougioukas. *Choices*, 34(2). (2019). [Link](#)

Other Publications

“California Farmers Change Production Practices as the Farm Labor Supply Declines,” with J. Edward Taylor.

ARE Update, 22(6). (2019). [Link](#)

“Still Searching for Solutions: Adapting to Farm Worker Scarcity Survey 2019,” with J. Edward Taylor, Sara Neagu-Reed, Bryan Little, and Dave Kranz. *California Farm Bureau Federation: News Release*, Apr. 30. (2019). [Link](#)

Working Papers

“The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach,” with Pierre Mérel. (2019). [Link](#)

“Revisiting Economic Assimilation of Mexican and Central American Immigrants in the United States,” with Giovanni Peri. *IZA Institute for Labor Economics: Discussion Paper No. 12976*. [Link](#)

“Immigration and Economic Performance Across the Fifty U.S. States from 1980-2015,” with Tim Kane. *Hoover Institution: Economics Working Paper No. 18112*. [Link](#)

“Farmworkers and Nonfarm Work: Evidence from the NAWS,” with J. Edward Taylor. [Link](#)

Other Work in Progress

“The Effects of a Declining Crop Labor Supply on California Agriculture.” Job Market Paper.

“The Future of Work in Agriculture,” with Luc Christiaensen and J. Edward Taylor. Invited Paper in *Food Policy*.

“Economic and Societal Aspects,” with J. Edward Taylor. Chapter in *Advanced Automation for Tree Fruit Orchards and Vineyards* (forthcoming).

Research Experience

Graduate Student Researcher, University of California, Davis

For Professor Pierre Mérel, June 2016 - Current

For Professor J. Edward Taylor, July 2018 - Current

For Professor Giovanni Peri, September 2019 - December 2019

Short-Term Consultant, World Bank Group, November 2018 - June 2019

Visiting Fellow, Hoover Institution, Stanford University, June 2017 - August 2017

Undergraduate Honors Thesis, University of California, Davis, October 2014 - March 2015

Teaching Experience

Teaching Assistant, University of California, Davis

Master's Level: Applied Econometrics 1 (ARE 256A) - Fall 2016

Undergraduate Level: Agricultural Labor Economics (ARE 150) - Spring 2016, 2018, & 2019

Econometrics (ARE 106) - Winter 2018

Financial Management (ARE 171) - Summer 2017

Operations Research and Management Science (ARE 155) - Winter 2017

Investment (ARE 143) - Winter 2016

Selected Presentations

- “The Effects of a Declining Farm Labor Supply on California Agriculture.” Poster Session, All-California Labor Economics Conference. Santa Cruz, CA, September 12, 2019.
- “Agricultural Labor in the United States.” Guest Lecture for U.C. Davis Continuing and Professional Education: Japanese Agriculture Trainee Program. Davis, CA, August 28, 2019.
- “The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach.” AAEA Annual Meeting. Atlanta, GA, July 23, 2019.
- “Adapting to Labor Scarcity.” Infaco’s Return on Investment Live Webinar Series. July 18, 2019.
- “The Effects of a Declining Farm Labor Supply on California Agriculture.” Poster Session, University of California, Davis Economics Department Alumni Conference. Davis, CA, May 10, 2019.
- “Farmworkers and Nonfarm Work: Evidence from the NAWS.” Department of Labor’s NAWS at 30 Conference. Davis, CA, April 4, 2019.
- “The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach.” University of California, Davis Migration Research Cluster Workshop. Davis, CA, December 6, 2018.
- “Evidence of a Changing Farm Labor Supply.” University of California Agriculture and Natural Resources - Cooperative Extension Annual Vegetable Crops Meeting. Davis, CA, November 27, 2018.
- “Agricultural Labor in the United States.” Peruvian Delegation from Universidad Nacional Agraria La Molina. Davis, CA, November 5, 2018.
- “Immigration and Economic Performance Across the Fifty United States from 1980-2015.” Poster Session, All-California Labor Economics Conference. Los Angeles, CA, October 4, 2018.
- “Immigration and Economic Performance Across the Fifty United States from 1980-2015.” Poster Session, Agricultural and Applied Economics Association Annual Meeting. Washington, D.C., August 7, 2018.
- “The Short-Run Impacts of Immigration on Native Workers: Evidence from the U.S. Construction Sector.” University of California, Davis Migration Research Cluster Workshop. Davis, CA, November 9, 2017.
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Selected Grants and Awards

- U.C. Davis Gifford Center for Population Studies Travel Grant, 2019: \$800
- Henry A. Jastro Research Award, 2019: \$3,000
- Giannini Foundation of Agricultural Economics Minigrant (with Pierre Mérel), 2019: \$30,000
- Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2019: \$30,000
- Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2018: \$26,992
- Henry A. Jastro Research Award, 2018: \$3,000
- U.C. Davis Gifford Center for Population Studies Travel Grant, 2018: \$1,000
- U.C. Davis Agricultural and Resource Economics Department Fellowship, 2017: \$4,900
- U.C. Davis Agricultural and Resource Economics Department Fellowship, 2015: \$11,800
- U.C. Davis James and Leta Fulmor Scholarship, 2014: \$4,500
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Professional Memberships

- Western Agricultural Economics Association (since 2019)
- American Economic Association (since 2018)
- Agricultural and Applied Economics Association (since 2016)