

# Zachariah Rutledge

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## Education

### Ph.D. in Agricultural and Resource Economics (2020)

University of California, Davis

Dissertation Title: "From the Farm to the City: How the Changing Supply of Immigrant Workers Impacts the United States" [Link](#)

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

Fields: Labor, Agriculture, Development, Econometrics

### M.S. in Agricultural and Resource Economics (2016)

University of California, Davis

### A.B. in Economics (with highest honors) (2015)

University of California, Davis

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## Publications

### Peer-Reviewed

"Viewpoint: The Future of Work in Agri-Food," with Luc Christiaensen and J. Edward Taylor. *Food Policy*. (2020). [Link](#)

"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](#)

### Book Chapters

"The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach," with Pierre Mérel. In R. Sauer (Ed.), *The World Scientific Encyclopedia of Migration*. (forthcoming). [Link](#)

"Economic and Societal Aspects," with J. Edward Taylor. Chapter 10 in S. G. Vougioukas and Q. Zhang (Eds.), *Advanced Automation for Tree Fruit Orchards and Vineyards*. (forthcoming). [Link](#)

### Other

"Federal Labor Standards Enforcement in Agriculture: Data Reveal the Biggest Violators and Raise New Questions About How to Improve and Target Efforts to Protect Farmworkers," with Daniel Costa and Philip Martin. *Economic Policy Institute Report*. (2020). [Link](#)

"What is the Future of Work in Agri-Food?" with Luc Christiaensen and J. Edward Taylor. *Brookings Institution*. (2020). [Link](#)

"Revisiting Economic Assimilation of Mexican and Central American Immigrants in the United States," with Giovanni Peri. *Cato Institute Research Briefs in Economic Policy*, No. 220. (2020). [Link](#)

"COVID-19 and Farm Workers: Challenges Facing California Agriculture," with Timothy Beatty, Alexandra Hill, and Philip Martin. *ARE Update*, 23(5). (2020). [Link](#)

"Recent Mexican and Central American Immigrants Have Performed Well in the Labor Market, but There Is Room for Improvement." *U.C. Davis Global Migration Center Immigration Facts Series*. (2020). [Link](#)

"California Farmers Change Production Practices as the Farm Labor Supply Declines," with J. Edward Taylor. (2019). [Link](#)

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## Working Papers

"No Farm Workers, No Food? Evidence From Specialty Crop Production," with Pierre Mérel. [Link](#)

"Revisiting Economic Assimilation of Mexican and Central American Immigrants in the United States," with Giovanni Peri. [Link](#)

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## Other Work in Progress

"The Impact of Chinese Trade Competition on the Supply of Mexican Farm Workers," with Joaquin Mayorga.

"The Impact of Minimum Wage Shocks on Low-Skilled Workers in the United States: Evidence from the H-2A Visa Agricultural Guestworker Program," with Timothy Richards, Philip Martin, and Marcelo Castillo.

"The H-2A Foreign Worker Program in 2020," with Marcelo Castillo and Philip Martin.

"The Changing Nature of Agricultural Labor Markets," with Diane Charlton and J. Edward Taylor in C. Barrett and D. Just (Eds.), *The Handbook of Agricultural Economics*.

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**Research Experience** **Postdoctoral Research Scholar**  
Arizona State University, January 2021 - Current

**Graduate Student Researcher**

For Professor Pierre Mérel, Intermittently Between July 2016 - December 2020  
For Professor J. Edward Taylor, Intermittently Between July 2018 - September 2020  
For Professor Giovanni Peri, September 2019 - December 2019

**Consulting**

Migration Dialogue, March 2020 - December 2020  
The World Bank Group, November 2018 - June 2019  
Hoover Institution, Stanford University, June 2017 - August 2017

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**Teaching Experience** **Teaching Assistant, University of California, Davis**

Master's: Applied Econometrics 1 (ARE 256A), Fall 2016 - [Eval. Summary](#)

Undergraduate: Agricultural Labor Economics (ARE 150)

Spring 2019 - [Eval. Summary](#)

Spring 2018 - [Eval. Summary](#)

Spring 2016 - [Eval. Summary](#)

Econometrics (ARE 106), Winter 2018 - [Eval. Summary](#)

Operations Research and Management Science (ARE 155), Winter 2017 - [Eval. Summary](#)

Investment (ARE 143), Winter 2016 - [Eval. Summary](#)

**Guest Lectures, University of California, Davis**

"Agricultural Labor in the United States." Continuing and Professional Education: Japanese Agriculture Trainee Program. August 28, 2019.

"Two-Stage Production Functions in Agriculture." Undergraduate Level Agricultural Labor Economics. April 27, 2018.

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**Presentations**

**Selected Academic Conferences and Workshops**

"No Farm Workers, No Food? Evidence From Specialty Crop Production." Agricultural and Applied Economics Association Annual Meeting. Virtual, August 10, 2020.

"No Farm Workers, No Food? Evidence From Specialty Crop Production." United States Department of Agriculture, Economic Research Service: Challenges in Specialty Crop Production Workshop. Virtual, July 29, 2020.

"The Effects of a Declining Farm Labor Supply on California Agriculture." University of California, Davis, Global Migration Center Affiliate Meeting. Davis, CA, February 5, 2020.

"The Effects of a Declining Farm Labor Supply on California Agriculture." Poster Session, All-California Labor Economics Conference. Santa Cruz, CA, September 12, 2019.

"The Short-Run Impacts of Immigration on Native Workers: A Sectoral Approach." AAEA Annual Meeting. Atlanta, GA, July 23, 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." US 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.

"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.

**Community Outreach and Extension**

"Actions the Biden Administration and Congress Can Take to Better Protect Farmworkers." Economic Policy Institute, Virtual Presentation, February 10, 2021.

"Federal and California Labor Law Enforcement on Farms: Data Raises New Questions About How to Improve and Target Efforts." University of California, Davis, Global Migration Center, Virtual Presentation, December 3, 2020.

"Adapting to Labor Scarcity." Infaco's Return on Investment Live Webinar Series. July 18, 2019.

"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.

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## Grants and Awards

Henry A. Jastro Research Award, 2020: \$1,350  
Giannini Foundation of Agricultural Economics Minigrant (with Pierre Mérel), 2020: \$30,000  
Giannini Foundation of Agricultural Economics Minigrant (with J. Edward Taylor), 2020: \$30,000  
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: \$27,000  
Henry A. Jastro Research Award, 2018: \$3,000  
U.C. Davis Agricultural and Resource Economics Department Fellowship, 2017: \$5,000  
U.C. Davis Agricultural and Resource Economics Department Fellowship, 2015: \$12,000  
U.C. Davis James and Leta Fulmor Scholarship, 2014: \$4,000  
Sierra College Foundation - Outstanding Student Award Scholarship, 2009: \$2,500  
Associated Students of Sierra College - First Generation Student Scholarship, 2009: \$850  
Associated Students of Sierra College - Leadership Scholarship, 2009: \$750  
Marvin L. Merryman for Transferring Student Scholarship, 2009: \$500  
Sierra College Foundation Scholarship, 2008: \$1,000  
Students Helping Students Scholarship, 2008: \$750  
Bud Camillucci Scholarship, 2008: \$500  
Pearl Haines Scholarship, 2008: \$200

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## Professional Memberships and Affiliations

European Association of Labour Economists (member since 2020)  
Western Agricultural Economics Association (member since 2019)  
U.C. Davis Global Migration Center/Migration Research Cluster (affiliate since 2018)  
Agricultural and Applied Economics Association (member since 2016)

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## References

Pierre Mérel, Professor, Agricultural and Resource Economics, University of California, Davis  
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J. Edward Taylor, Professor, Agricultural and Resource Economics, University of California, Davis  
Email: taylor@primal.ucdavis.edu  
Phone: 510-388-0773

Giovanni Peri, Professor, Economics, University of California, Davis  
Email: gperi@ucdavis.edu  
Phone: 530-754-0515

Philip Martin, Professor Emeritus, Agricultural and Resource Economics, University of California, Davis  
Email: martin@primal.ucdavis.edu  
Phone: 530-304-9186