

University of Minnesota - Twin Cities

Department of Economics
4-101 Hanson Hall
1925 Fourth Street South
Minneapolis, MN 55455
U.S.A.

Placement Directors

Manuel Amador
(612) 624-4060
Mariacristina De Nardi
(612) 624-1978
mneconplacdir@umn.edu

Placement Coordinator

Catherine Bach
(612) 625-6859
mneconjm@umn.edu

**Curriculum Vitae
Fall 2022****CRISTIÁN AGUILERA-ARELLANO****Personal Data***Address*

4-101 Hanson Hall
1925 Fourth Street South
Minneapolis, MN 55455

Contact Information

Cell: (612) 707-0209
E-mail: aguil157@umn.edu
URL: www.cristianaguileraarellano.com

Citizenship: México (J-1 Visa)

Major Fields of Concentration

Labor Economics, Macroeconomics, Firm Dynamics

Education

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Economics	University of Minnesota (expected)	2023
MA	Economics	University of Minnesota	2022
BA	Economics	Instituto Tecnológico Autónoma de México	2013
BA	Business Administration	Instituto Tecnológico Autónoma de México	2013

Dissertation

Title: "Essays in Labor Economics"

Dissertation Advisor(s): Professor Fatih Guvenen and Professor Jeremy Lise

Expected Completion: Summer 2023

References

Professor Fatih Guvenen	(612) 625-0767 guvenen@umn.edu	Department of Economics University of Minnesota 4-101 Hanson Hall
Professor Jeremy Lise	(612) 625-0941 jlise@umn.edu	1925 South Fourth Street Minneapolis, Minnesota 55455
Professor Kyle Herkenhoff	(612) 625-3399 kfh@umn.edu	

Honors and Awards

- Spring 2023 *Graduate Scholarship Fellowship*, University of Minnesota, Minneapolis, Minnesota
2021 - present *Special Sworn Status*, U.S. Census Bureau
2021 - 2022 *Doctoral Dissertation Fellowship*, College of Liberal Arts, University of Minnesota, Minneapolis, Minnesota
2020 *Second Place: Third Year Paper Competition*, Department of Economics, University of Minnesota, Minneapolis, Minnesota
Summer 2019 *Graduate Research Program Partnership (GRPP) Fellowship*, Department of Economics, University of Minnesota, Minneapolis, Minnesota
Spring 2019 *Distinguished Teaching Assistant Award*, Department of Economics, University of Minnesota, Minneapolis, Minnesota
2017 - 2018 *Kurt Winkelman and Janine Gleason Fellowship*, Department of Economics, University of Minnesota, Minneapolis, Minnesota

Teaching Experience

- Summer 2019 *Instructor*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Taught *Intermediate Microeconomics*.
2018 - 2019 *Teaching Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Led recitation sections for *Intermediate Microeconomics*.
2015 *Teaching Assistant*, Instituto Tecnológico Autónoma de México, México City, México. Led recitations for *Dynamic Macroeconomics I* and for graduate level *Topics on Macroeconomics*.

Research Experience

- 2022 *Research Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Research assistant for Professor Fatih Guvenen.
Summer 2021 *Summer Research Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Research assistant for Professor Fatih Guvenen.
2020 - 2021 *Research Assistant*, Minnesota Economics Big Data Institute, University of Minnesota, Minneapolis, Minnesota.
Summer 2020 *Summer Research Assistant*, Minnesota Economics Big Data Institute, University of Minnesota, Minneapolis, Minnesota.
2019 - 2020 *Research Analyst*, Research Department, Federal Reserve Bank of Minneapolis, Minneapolis, Minnesota.
2013 - 2015 *Research Assistant*, Department of Economics, Instituto Tecnológico Autónomo de México (ITAM), Mexico City, Research assistant to Professor Carlos Urrutia and Professor Marina Mendes

Professional Experience

- 2016 - 2017 *Advisor*, Petróleos Mexicanos (PEMEX)
2015 - 2016 *Research Analyst*, Instituto Mexicano del Seguro Social (IMSS)

Papers

- Aguilera-Arellano, Cristián, “The China Shock and Job Loss in Mexico,” job market paper, presented at Annual Meeting of the Midwest Economic Association (virtual), March 2021; Annual Meeting of the Society for Economic Dynamics, University of Wisconsin, Madison, Wisconsin, June 2022.
Aguilera-Arellano, Cristián and León Fernández Bujanda, “Understanding Domestic Outsourcing: The Role of Smoothing Demand for Workers”

Aguilera-Arellano, Cristián, “Minimum Wage, Informality, and Earnings Inequality: Evidence from Mexico,” in progress

Referee Experience

Review of Economic Dynamics

Computer Skills

Julia, Python, Stata, MATLAB, R

Languages

English (fluent), Spanish (native)

Abstract(s)

Aguilera-Arellano, Cristián, “The China Shock and Job Loss in Mexico,” job market paper

What are the effects of exposure to international export competition on welfare, wages, and sector mobility? Using a massive, matched employer-employee dataset from Mexico, I study how the spectacular rise of China as a manufacturer exporter affected exporting industries in the Mexican economy. By exploiting industry shocks to export competition with China, I find that displaced individuals in exposed industries have an initial wage loss of 22 percentage points larger than displaced workers from non-exposed industries. I rank workers according to their pre-shock income and find that high-income workers laid off from exposed industries suffer around 70 percent larger losses than displaced workers in non-exposed industries. Displaced workers who are at the bottom of the pre-shock income distribution suffer minimal wage losses independently of their industry. To rationalize my findings and evaluate the distributional effects of affected workers, I build and analyze a competitive search model with sector-specific human capital, transferable human capital, search frictions, and minimum wage schedule. In the counterfactual exercises, I find that the minimum wage can account for the observed wage losses at the bottom of the income distribution, but it fails to explain the losses in the upper parts of the distribution. I show that the degree of transferability of human capital across sectors is crucial to explain why median- and high-income workers in exposed industries suffer larger losses. In the main quantitative experiment, I compare an economy with and without the shock and find that the larger the human capital accumulated in the exposed sector, the larger the welfare losses. High-income workers suffer a 35 percent welfare decline, and low-income workers suffer a 1 percent decline.

Aguilera-Arellano, Cristián and León Fernández Bujanda, “Understanding Domestic Outsourcing: The Role of Smoothing Demand for Workers”

This paper studies the impact of domestic outsourcing and time-varying idiosyncratic risk at the firm level on welfare, output, and workers' wages. To study this question, we exploit a recent policy change in Mexico that prohibits hiring “core-activity” workers through outsourcing. Our event-study design shows that workers who were previously hired through outsourcing increase their wages by approximately 9 log points relative to similar workers who were not outsourced before the policy intervention. We build a tractable directed search model with firm dynamics and time-varying idiosyncratic risk in which firms can decide how many workers to hire in-house and how many to outsource. We show that transitory shocks are important to account for the demand for outsourced workers. The model shows outsourced workers experience less unemployment risk without the presence of the outsourcing sector but a lower probability of finding jobs, creating ambiguous results on welfare. Finally, we use the model to study the short-run and long-run welfare consequences of the policy.