

JAFET ALEJANDRO BACA OBANDO

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EDUCATION

Emory University 2022–2027 (expected)

Ph.D. in Economics

Atlanta, GA

- Interests: International Macroeconomics, Macroeconomics, Computational Macroeconomics

Universidad Centroamericana Apr. 2021

B.A., Applied Economics

Managua, Nicaragua

- Magna Cum Laude distinction. Cumulative GPA: 97.21/100

RELEVANT PROFESSIONAL EXPERIENCE

Federal Reserve Bank of Atlanta May 2024–Present

Economic Analyst - RA to Andrés Blanco, Ph.D.

Atlanta, GA

Emory University Sep. 2023–May 2024

Graduate Assistant at the Office of Global Strategy and Initiatives

Atlanta, GA

TEACHING AND RESEARCH ASSISTANCE

Emory University Aug. 2024–Present

Instructor

- Fall 2025 - Data Science for Economists, Lab (Undergraduate)
- Fall 2025 - Quantitative Methods II (Graduate), co-taught with Prof. Daniel Levy, Ph.D.
- Fall 2025 - Quantitative Methods I (Graduate), co-taught with Prof. Daniel Levy, Ph.D.
- Fall 2024 - Quantitative Methods II (Graduate), co-taught with Prof. Daniel Levy, Ph.D.
- Fall 2024 - Quantitative Methods I (Graduate), co-taught with Prof. Daniel Levy, Ph.D.

Teaching Assistant

- Spring 2026 - Macroeconomic Theory II (Graduate), Prof. Alexander Monge-Naranjo, Ph.D.
- Fall 2024 - Macroeconomic Theory I (Graduate), Prof. Vivian Yue, Ph.D.
- Spring 2024 - Macroeconomic Theory II (Graduate), Prof. Kaiji Chen, Ph.D.
- Fall 2023 - Experimental Economics (Undergraduate), Prof. Kelli Lanier, Ph.D.
- Fall 2023 - Behavioral Economics and Finance (Undergraduate), Prof. Kelli Lanier, Ph.D.

Research Assistant

- Spring 2025 - Prof. Vivian Yue, Ph.D.: Topics on sovereign debt
- Fall 2023 - Prof. Maria Arbatskaya, Ph.D.: Dynamic group contests, communication, data analysis

Universidad Centroamericana Jan. 2020–Nov. 2020

Teaching Assistant

Managua, Nicaragua

- Fall 2020 - Time Series Econometrics (Undergraduate), Prof. Alvaro López-Espinoza, M. Sc.
- Spring 2020 - Intermediate Macroeconomics (Undergraduate), Prof. Camilo Pacheco, M. Sc.

VOLUNTEERING

Emory University

Sep. 2023–May 2024

Laney Graduate School EDGE Ambassador

Academia Sabatina Jóvenes Talento - Nicaragua

Oct. 2016–Jul. 2022

Euclidean Geometry Instructor

Universidad Centroamericana - Nicaragua

Feb. 2019–Jun. 2019

Learning Assistant

PUBLICATIONS

WORK IN PROGRESS

- **Jafet Baca.** Remittance Inflows and Financial Amplification in Emerging Economies. Field paper project.
- **Givi Melkadze, Vivian Yue, and Jafet Baca .** Climate Policy and Sovereign Default Risk.
- **Andrés Blanco, Andrés Drenik, and Jafet Baca.** How Does Inflation “Grease the Wheels” in a Frictional Labor Market?

WORKING PAPERS

- **Andrés Blanco, Andrés Drenik, and Jafet Baca.** Wage Erosion with Incomplete Markets: A Quantitative Analysis of the Costs of Inflation. Prepared for a special issue of the IMF Economic Review. Conditionally accepted. *Dec. 2025*

DORMANT WORKING PAPERS AND ESSAYS

- **Jafet Baca.** Shock Symmetry and Business Cycle Synchronization. Is Monetary Unification Feasible Among CAPADR Countries? *Dec. 2021*
- **Jafet Baca.** Crecimiento Económico y la Restricción Externa en un Contexto Multisectorial y Multilateral: El Caso de Nicaragua. *Nov. 2021*
- **Jafet Baca.** La Humanidad frente a los Retos Globales: COVID-19. Un Análisis desde una Perspectiva Socioeconómica. *Sep. 2020*

MATHEMATICAL CONTRIBUTIONS

- **Jafet Baca.** On Mixtilinear Incircles. In Andreescu, T., & Ignatiuc, M. (Eds.), *Mathematical Reflections, Two Lockdown Years (2020-2021)*, 455-483. XYZ Press. 2022. First published in *Mathematical Reflections*, 2020-2.

- **Jafet Baca.** On a Special Center of Spiral Similarity. In Andreescu, T., & Ignatiuc, M. (Eds.), *Mathematical Reflections, Two Beautiful Years (2018-2019)*, 471-486. XYZ Press. 2021. First published in *Mathematical Reflections*, 2019-1.

CONFERENCES

- **Atlanta Fed's Brown Bag Seminar.** Presented "Wage Erosion with Incomplete Markets: A Quantitative Analysis of the Costs of Inflation". Atlanta, GA. *Jul. 2025*
- **Third Summer School in International Economics.** Presented my field paper poster "Remittance Inflows and Financial Amplification in Emerging Economies." Organized by the Journal of International Economics (Elsevier) and CESifo. Munich, Germany. *Jul. 2025*
- **Fiftieth Southern Association for Institutional Research.** Presented "Using Interactive Dashboards and Mapping Tools to Advocate for the Importance of Global Engagement" with Natalie Cruz, Ph.D. Atlanta, GA. *Oct. 2024*
- **Second Summer School in International Economics.** Organized by the Journal of International Economics (Elsevier) and the Department of Economics at the University of Oxford. Oxford, UK. *Jul. 2024*

REFEREEING

- Journal of Economic Dynamics and Control

TECHNICAL SKILLS

Software: Julia, Python, MATLAB, Stata, R, EViews, Git, LaTeX

Language: Spanish (native), English (fluent)

SELECTED AWARDS

ACADEMIC HONORS

- **2025 Economics Student Research Fair, Emory University.** Best Graduate Student Poster, second place. *Apr. 2025*
- **Award in Economics, Finance, and Development, Central Bank of Nicaragua.** Third place with the research paper "Crecimiento Económico y la Restricción Externa en un Contexto Multisectorial y Multilateral: El Caso de Nicaragua". *Nov. 2020*
- **Knowledge Production Contest, Universidad Centroamericana.** First place in essay category with the work "Humanity in the face of Global Challenges: COVID-19. An Analysis from a Socio-Economic Perspective". *May 2020*
- **Faculty of Business and Economic Sciences, Universidad Centroamericana.** Academic Excellence Certificates. *2017–2020*

MATHEMATICS COMPETITIONS

- 31 Iberoamerican Mathematical Olympiad, Chile. Bronze medal. *Oct. 2016*

- 4 Iranian Geometry Olympiad. Silver medal, advanced level. *Sep. 2016*
- 56 International Mathematical Olympiad, Thailand. Honorable mention. *Jul. 2015*

GRANTS

- Professional Development Funds, Laney Graduate School, Summer 2025, US\$1,400
- Laney Graduate School Council Travel Grant, Summer 2024, US\$250
- Emory University's Office of Global Strategy and Initiatives, Global Student Travel Support, US\$1,200