

JAFET ALEJANDRO BACA OBANDO

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EDUCATION

Emory University 2022–2027 (expected)

- Ph.D. in Economics
- Academic interests: International Macroeconomics, Monetary Economics, Macroeconometrics

Universidad Centroamericana Apr. 2021

- B.A. Magna Cum Laude, Applied Economics
- Cumulative GPA: 97.21/100

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 supervised by Natalie Cruz, Ph.D. Atlanta, GA

FUNIDES Jul. 2020–Jun. 2021

Junior Economist of Quantitative Analysis

Managua, Nicaragua

FUNIDES Jul. 2019–Jun. 2020

Junior Economist of Social Studies

Managua, Nicaragua

TEACHING AND RESEARCH ASSISTANCE

Emory University Aug. 2023–present

Teaching Assistant

Atlanta, GA

- Fall 2024 - Macroeconomic Theory I (Graduate), Prof. Vivian Yue, Ph.D.
- Fall 2024 - Quantitative Methods II (Graduate), Prof. Daniel Levy, Ph.D.
- Fall 2024 - Quantitative Methods I (Graduate), Prof. Daniel Levy, 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.

Emory University Aug. 2023–present

Research Assistant

Atlanta, GA

- Spring 2025 - Prof. Vivian Yue, Ph.D.: Export dynamics during large devaluations, topics on sovereign default
- 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. Third-year field paper project.
- **Andrés Blanco, Andrés Drenik, and Jafet Baca.** How Does Inflation “Grease the Wheels” in a Frictional Labor Market?

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

- **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*
- **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*

TECHNICAL SKILLS

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

Language: Spanish (native), English (fluent)

SELECTED AWARDS

ACADEMIC HONORS

- **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

- 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