

JAFET ALEJANDRO BACA OBANDO

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EDUCATION

Emory University 2022–2027 (expected)

- Academic interests: Monetary Economics, International Macroeconomics, 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

Atlanta, GA

Emory University Sep. 2023–May 2024

Graduate Assistant at the Office of Global Strategy and Initiatives

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 - Intermediate Macroeconomics (Undergraduate), 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–Dec. 2023

Research Assistant

Atlanta, GA

- 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 <i>Laney Graduate School EDGE Ambassador</i>	Sep. 2023–present
Academia Sabatina Jóvenes Talento - Nicaragua <i>Euclidean Geometry Instructor</i>	Oct. 2016–Jul. 2022
Universidad Centroamericana - Nicaragua <i>Learning Assistant</i>	Feb. 2019–Jun. 2019

PUBLICATIONS

WORKING PAPERS AND ESSAYS

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

MATHEMATICAL CONTRIBUTIONS

- **J. 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.
- **J. 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. *Jul. 2024*

TECHNICAL SKILLS

Software: Julia, Python, MATLAB, Stata, R, EViews, Git, LaTeX
Language: Spanish (native), English (advanced)

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*