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

Emory University   Sep. 2023–Apr. 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
- 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   Sep. 2023–present
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

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.

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*