

# JAFET ALEJANDRO BACA OBANDO

🏠 JBACAOB ✉ JBACAOB 🌐 JBACAOB 📺 JBACAOB

---

## 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–present

*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 (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. *Mathematical Reflections*, Volume 2020-2. *Mar. 2020*
- **J. Baca.** On a Special Center of Spiral Similarity. *Mathematical Reflections*, Volume 2019-1. *Jan. 2019*

---

### 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*