

# JAFET ALEJANDRO BACA OBANDO

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## EDUCATION

Emory University	2022–2027 (expected)
<i>Ph.D. in Economics</i>	Atlanta, GA
• Interests: International Macroeconomics, Macroeconomics, Computational Macroeconomics	
Universidad Centroamericana	Apr. 2021
<i>B.A., Applied Economics</i>	Managua, Nicaragua
• Magna Cum Laude distinction. Cumulative GPA: 97.21/100	

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## RELEVANT PROFESSIONAL EXPERIENCE

Federal Reserve Bank of Atlanta	May 2024–Present
<i>Economic Analyst - RA to Andrés Blanco, Ph.D.</i>	Atlanta, GA
Emory University	Sep. 2023–May 2024
<i>Graduate Assistant at the Office of Global Strategy and Initiatives</i>	Atlanta, GA

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## TEACHING AND RESEARCH ASSISTANCE

Emory University	Aug. 2024–Present
<i>Instructor</i>	
• 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
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<i>Teaching Assistant</i>	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
<i>Laney Graduate School EDGE Ambassador</i>	
Academia Sabatina Jóvenes Talento - Nicaragua	Oct. 2016–Jul. 2022

*Euclidean Geometry Instructor*

Universidad Centroamericana - Nicaragua	Feb. 2019–Jun. 2019
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*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 Andreeescu, T., & Ignatiuc, M. (Eds.), Mathematical Reflections, Two Beautiful Years (2018-2019), 471-486. XYZ Press. 2021. First published in Mathematical Reflections, 2019-1.
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## 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*
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## REFEREEING

- Journal of Economic Dynamics and Control
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## TECHNICAL SKILLS

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

**Language:** Spanish (native), English (fluent)

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## 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*
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### 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*
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## **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