

# Rafael Gonçalves

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## EDUCATION

### Princeton University

*Ph.D in Economics*

New Jersey, United States

*Aug. 2022 –*

### São Paulo School of Economics - Getulio Vargas Foundation (FGV-EESP)

São Paulo, Brazil

*Master of Science (MSc) in Economics - GPA: 3.6 (9.0 out of 10)*

*Jan. 2019 – Jul. 2021*

### São Paulo School of Economics - Getulio Vargas Foundation (FGV-EESP)

São Paulo, Brazil

*Bachelor of Arts in Economics - GPA: 3.5 (8.8 out of 10)*

*Jan. 2015 – Dec. 2018*

## EXPERIENCE

### Research Projects Officer

Aug. 2021 – Jul. 2022

*International Monetary Fund*

*Remote work*

- Coauthored working paper “The Macroeconomic and Welfare Benefits of Building Resilience in Disaster-Prone Developing Countries”, with Yehenew Endgnew, Samuel Mann, Marina M. Tavares, and Harold Zavarce.
- Abstract: We develop a multi-sector DSGE model with disaster risk to study the macroeconomic and welfare implications of natural disasters and different fiscal instruments to finance resilience building in disaster-prone developing countries. We find that investing in resilience capital in a disaster-prone country improves welfare despite its high economic cost, but the financial instrument used to mobilize revenue matters.

### Teaching Assistant

Jul. 2019 – Jul. 2021

*São Paulo School of Economics - Getulio Vargas Foundation (FGV-EESP)*

*São Paulo, Brazil*

- PhD level: General Equilibrium Theory, Quantitative Methods in Macroeconomics, Bayesian Macroeconometrics
- Professional Masters level: Behavioral Macroeconomics, DSGE Models, Applied Macroeconomics
- Undergraduate level: Economic Growth Theory, International Trade

## RESEARCH

### Master’s Thesis

*Title: Learning with Dispersed Information in a Medium-Scale DSGE Model*

- Advisors: Marcel Ribeiro, Bernardo Guimarães
- Abstract: We evaluate quantitatively whether a microfounded informational friction in the form of dispersed information (DI) is able to reproduce the effect of several reduced-form frictions (e.g., habit formation, adjustment cost in investment, price indexation) embedded in the mainstream medium-scale DSGE model to replicate the inertia of macroeconomic variables observed in the data. Building on a novel method to solve DSGE models featuring DI, we find that our parsimonious model with information friction can explain macroeconomic data as well as the traditional full-information model with several reduced-form frictions, but it fits expectation data substantially better.

### Undergraduate Thesis

*Title: Rigidity and Asymmetry in the Pass-Through of Monetary Shocks on Lending Interest Rates in Brazil*

- Advisor: Joelson Sampaio
- Abstract: We use panel microdata on Brazilian loan contracts to find evidence that credit interest rates respond more to increases than to decreases in the monetary policy rate. Yet, we find little evidence of stickiness in the pass-through of changes in the policy rate to credit rates.

## AWARDS

- Scholarship for FGV-EESP MSc in Economics program for being among the highest grades in the Brazilian national entrance exam for postgraduate programs in Economics (ANPEC) **(2019)**
- Academic Merit Award granted by the Regional Council of Economics of São Paulo (CORECON-SP) and FGV-EESP for graduating with the highest GPA among the FGV-EESP Undergraduate Class of 2018 **(2019)**
- 7th place in the Brazilian national entrance exam for graduate programs in Economics (ANPEC) **(2018)**
- 1st place in the II and III Brazil Econometric Games **(2017, 2018)**. 2nd place in the I Brazil Econometric Games **(2016)**
- Full scholarship for FGV-EESP undergraduate program for having the 3rd highest grade in the entrance exam **(2015)**

## SKILLS

**Programming:** Julia, Matlab, Python, R, Stata.

**Languages:** Portuguese (native), English (fluent), French (advanced)