

# CAIO FIGUEIREDO

ECONOMIST, PHD CANDIDATE AT PENN STATE

## CONTACT

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359 Toftrees Ave, 203,  
State College, PA | USA

## EDUCATION

2018 - 2024 *(Expected completion)*

PENN STATE UNIVERSITY

**Ph.D. in Economics**

State College - PA | United States

2013 - 2015

UNIVERSITY OF BRASÍLIA

**Master's in Economics**

Brasília - DF | Brazil

2008 - 2012

UNIVERSITY OF SÃO PAULO

**Bachelor's in Economics**

São Paulo - SP | Brazil

## SKILLS

Proficient in programming in

**R, Julia, Python, C++**

## LANGUAGES

English | Fluent

Portuguese | Native

Spanish | Advanced

French | Basic

## PROFESSIONAL SUMMARY

Economist with a solid background in economic research, public economics, programming, and data science. Working for the Federal Government of Brazil, I participated in projects that resulted in legislative and economic policy change. As a Ph.D. candidate at Penn State, I used my strong programming skills to develop dynamic structural models and researched the effects of aging demographics on the national economies worldwide.

## EXPERIENCE

2014 - Present *(currently working remotely)*

NATIONAL TREASURY OF BRAZIL

**Federal Financial Auditor**

Brasília - DF | Brazil

- As part of the Economic Policies Secretariat, I supported the development of a model to predict the expenses of the Brazilian Pension System under different rules. This model influenced the final Pension System Reform enacted in 2019 by the Brazilian Congress.
- I created an economic model based on historical data and current conditions to predict the expected daily cash flow of the Brazilian federal government during the next four months.

2020 - Present

PENN STATE UNIVERSITY

**Research Assistant**

State College - PA | United States

- Implement and test research models. Using micro data of developing countries, I created a dynamic structural model in Julia to calculate the probability of children's enrollment in school given a financial incentive.

2018 - 2020

PENN STATE UNIVERSITY

**Teacher Assistant**

State College - PA | United States

- Held office hours proctored and graded assignments for the course 'Introduction to Economics.'

2007 - 2008

VEROS IT

**Software Developer**

Brasília - DF | Brazil

- My first job was at 17. I started as a Web Designer but quickly got a position as a Software Developer, supporting the development of administrative software for the Brazilian Air Force. This early position ignited my interest in programming, a skill I nourished for the rest of my life.