

FERNANDO CARNAÚBA - CURRICULUM VITAE

EDUCATION

- 09/2019 - 07/2023
(expected) **Ph.D. in Mathematics Education – Teachers College, Columbia University**
Teachers College Doctoral Fellowship.
Advisor: Professor Nicholas Wasserman.
- 01/2013 - 12/2015 **Master's in Economics – University of São Paulo**
Fapesp Master's Research Fellowship.
- 08/2014 - 12/2014 **Visiting Student Researcher – GSE, Stanford University**
Fapesp international fellowship.
- 01/2007 - 12/2010 **Bachelor's Degree in Economics – University of São Paulo**
Highest GPA student award. Best thesis award.
- 01/2010 - 06/2010 **Exchange Student – Université Paris Dauphine**
Undergraduate visiting student in Economics.
- 01/2004 - 12/2006 **Naval Engineering – University of São Paulo**
Five semesters of undergraduate studies.

RESEARCH

- (forthcoming) **Carnaúba, F.**, Molina, M., & Schmitz-Boccia, A. Programa de Especialização Docente: a network of university-based teacher education programs in Brazil. In *Principles Travel, Context Matters: Collaboration Transforms*, G. LeTendre, Lotan, R.A., Lit, I. W. (Eds), TC Press. [\[link\]](#)
- 2020 **Carnaúba, F.**, & Blikstein, P. The use of GeoGebra in Brazil from a constructionist perspective. In B. Tangney, J. R. Byrne, & C. Girvan (Eds.) *Proceedings of the Constructionism 2020 Conference* (pp. 112-113) [\[link\]](#)
- 2017 Carnoy, M., Marotta, L., Louzano, P., Khavenson, T., Recch, F., **Carnaúba, F.** Intranational Comparative Education: What State Differences in Student Achievement Can Teach Us about Improving Education—the Case of Brazil. *Comparative Education Review* (61)4, 726-759. [\[link\]](#)
- 2015 **Carnaúba, F.** *Teachers' grading patterns and student learning: evidence from São Paulo state public schools* [unpublished master's thesis]. Univ. of São Paulo [\[link\]](#)
- 2013 **Carnaúba, F.**, & Madeira, R. May affirmative action policies increase academic achievement in Brazil? *Proceedings of the 35th meeting Brazilian Society of Econometrics*. [\[link\]](#)

RESEARCH GRANTS

- 2023 - 2024 Marques, B. (PI), **Carnaúba, F.** et al. Conversas numéricas e equidade na participação e relações em salas de aula de matemática e ciências: uma abordagem qualitativa e quantitativa. (awarded \$40k).

TEACHING EXPERIENCE

01/2017 - 2022	Teaching university-based teacher educators (main instructor)
	Curriculum, Teaching and Assessment in Mathematics I, II and III, PED Brasil <ul style="list-style-type: none">Designed three teacher education courses and taught four cohorts of university-based teacher educators on how to implement the course.
01/2018 - 2020	Mentoring school teachers, PED Brasil <ul style="list-style-type: none">Designed the mentorship program of PED Brasil and taught two cohorts of university-based teacher educators on how to implement it.
2023	Teaching master's students (teaching assistant)
	Real Analysis, Universidade de São Paulo <ul style="list-style-type: none">Teaching assistant to Professor David Turchick Rubin.
01/2018 - 2023	Teaching school-age students (main instructor)
	Mathematics summer camp, Instituto Canoa <ul style="list-style-type: none">Taught mathematics to three cohorts of students (ages 7-14).
2017	Mathematics (6 th grade), Colégio Anglo 21 <ul style="list-style-type: none">Taught mathematics at a private school.

PROFESSIONAL EXPERIENCE

01/2017 - current	Instituto Canoa - Co-Founder and pedagogical director <ul style="list-style-type: none">Member of the development and implementation team of Programa de Especialização Docente (PED).Fundraised (awarded U\$5.1M grant from Brazil's National Development Bank) and prospected partner universities for the PED project.Revised the Portuguese versions of the books <i>Mathematical Mindsets</i> and <i>What's Math Got to Do With It?</i>, by Jo Boaler.
02/2015 - 12/2016	Somos Educação - Professional Development Manager <ul style="list-style-type: none">Developed and implemented teacher professional development programs in a network of 25 proprietary schools.Taught 6th-grade math for a year.
05/2014 - 07/2014	Geekie Education - Summer Intern <ul style="list-style-type: none">Created a new algorithm for the startup's adaptive learning platform, which replaced the previous model after an improved performance on A/B tests.
03/2012 - 01/2013	Economics Department, University of São Paulo - Research Assistant <ul style="list-style-type: none">RA to professors Ricardo Madeira and Marcos Rangel.

SERVICE

2021 - 2022	Reviewer - Journal of Mathematics Education at Teachers College
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AWARDS, SCHOLARSHIPS, & FELLOWSHIPS

2019 - 2022	Doctoral Fellowship - Teachers College, Columbia University Full scholarship for 3 years.
2014	Lemann Foundation Fellowship Visiting Student Researcher at Stanford University's Lemann Center.
2013	Fapesp Master's Research Fellowship - University of São Paulo Merit-based scholarship from the São Paulo Research Foundation.
2013	National Admissions Exam for Masters in Economics in Brazil (ANPEC) Ranked 2nd in the ANPEC's national exam, among over 1,100 test takers.
2010	Best undergraduate Student in Economics - University of São Paulo 1st place - Highest GPA within the graduating cohort in economics.
2010	Best undergraduate Thesis in Economics - University of São Paulo 1st place - Best economics undergraduate thesis.
2010	Best undergraduate Thesis in Economics - São Paulo Council of Economists 2nd place - Best economics undergraduate thesis in the State of São Paulo.

LANGUAGES & SOFTWARE

English – Fluent. Toefl IbT: 115/120.

French – Advanced.

Spanish – Advanced.