TOMÁS AGUIRRE

t6aguirre@gmail.com ⬦ t6aguirre.github.io ⬦ Citizenship: Portuguese and Brazilian

Last updated: April 14, 2025

EDUCATION

Bachelor of Economics, University of São Paulo (USP)   2020 - 2025
Ranked 1st out of 92 in cohort

PROFESSIONAL EXPERIENCE

Summer Fellow, Centre for the Governance of AI   Jun 2025 - Aug 2025
Selected as one of approximately 15 fellows from over 1,000 applicants to conduct   (Upcoming)
research on the societal impacts of AI, based in London.

Research Assistant, Centre for the Governance of AI   May 2024 - Present
RA to Sam Manning. Analyzing AI-induced job displacement in the US; conducting statistical analysis for co-authored NBER vol. chapter and Brookings report.

Teaching Assistant, Department of Economics, USP   Mar 2024 - Jul 2024
TA to Prof. M. Ross Fernandes. Assisted in the Mathematics Applied to Economics undergraduate course.

AI Engineer/Developer, Palver   May 2023 - Oct 2024
Led AI development projects for public discourse tracking with models for news and content detection at early-stage Brazilian startup.

Research Assistant, Cambridge Boston-Alignment Initiative   Oct 2023 - Mar 2024
RA to C. Siegmann (MIT Economics PhD student). Analyzed AI supply chain structure focusing on semiconductors and AI labs.

Summer Fellow, Pivotal Research, Geneva   Jul 2023 - Aug 2023
Selected as one of 13 fellows from 500+ applicants; authored working paper on AI supply chain integration, mentored by C. Siegmann and A. Koh.

Research in Economic History, USP   Jan 2023 - Jun 2024
RA to R. Cariello and Prof. Colistete. Built ML pipeline to transcribe 19th-century export data (funded by Brazil's national research agency, CNPq).

Summer Intern, Giant Steps Capital   Jan 2022 - Apr 2022
Worked on improvements of ML pipeline at major Latin American quantitative hedge fund.

Research Assistant in Industrial Organization, USP   Mar 2020 - Jul 2021
RA to Prof. Claudio Lucinda. Researched petrochemical market concentration with National Council for Scientific and Technological Development scholarship.

RESEARCH

Vulnerability-Weighted AI Exposure: Linking AI Exposure to the Expected Welfare Costs of Job Displacement Across Occupations   *NBER Volume* Economics of Transformative AI, *forthcoming*
With S. Manning (Centre for the Governance of AI)

Comparing Human-Only, AI-Assisted, and AI-Led Teams on Assessing Research Reproducibility   *R&R at Nature*, 2025
With A. Brodeur, D. Valenta, A. Marcoci, J. Aparicio, D. Mikola, et al. (large-scale collaboration)

On Labs and Fabs: How Alliances, Acquisitions, and Antitrust are Shaping the Frontier AI Industry   *arXiv working paper*, 2024
Sole author

Polarization and Misinformation Cycles in Social Networks   *In progress*
With M. Fernandes (USP)

Debunking Extremism in WhatsApp: Evidence from a Natural Experiment   *In progress*
With L. Meloni (USP), F. Bailez (Palver), M. Cruz (USP), M. Fernandes (USP)

SKILLS

Programming	Python, R, C/C++, Stata *(rough descending order of familiarity)*
AI & DS	PyTorch, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, SQL, MongoDB, Solr
Other Tech	MS Office, Google Drive, LaTeX/Overleaf, Git/GitHub, Markup
Languages	Portuguese (native), English (fluent), Spanish (basic)

SERVICE

Member of the Executive Board, International Economics Olympiad   Oct 2022 - Oct 2026
Elected to the IEO Executive Board as former silver medalist and trainer of three world-champion Brazilian teams. The board oversees competition organization and long-term policies.

Member of the Organizing Committee, Brazilian Economics Olympiad   Jan 2020 - May 2022
Coordinated Academic Sector, managed test development, and led Communication Working Group. Helped increase participation by +50% year-over-year.

AWARDS AND GRANTS

4th International Economics Olympiad	Leader of the Brazilian delegation (1st place among 44 participating countries)	2021
SempreFEA Endowment Association grant	∼4,000 USD grant for OBECON's Communication Working Group	2021
Brazil's National Council for Scientific and Technological Development	Scientific initiation scholarship	2020
1st International Economics Olympiad	Silver Medal	2018
1st Brazilian Economics Olympiad	1st place among 2000 participants	2018

OTHER SELECTED ACTIVITIES

Selected participant to the upcoming Economics of Transformative AI summer course at Stanford University.	2025
Teaching Assistant in ML4Good Brazil 2024 (10-day AI safety bootcamp for South American participants).	2024
Quantitative Economics Workshop participant at CREST, Polytechnic Institute of Paris.	2022
Student of Real Analysis and Introduction to Mathematical Economics summer courses at IMPA.	2021