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PROFILE

Senior specialist in public governance, integrity, anti-corruption, digital transformation, and evidence-based public policy. PhD and MA in Social Ecology from the University of California, Irvine, with a career spanning the Brazilian Congress, telecommunications regulation, federal strategic management, education governance, anti-corruption policy, applied economic research, and public-sector digital transformation.

Works at the intersection of institutional design, data analysis, and public decision-making. Builds oversight systems, transparency dashboards, procurement-risk models, AI-enabled pipelines, and applied research on accountability, corruption, governance, and state capacity.

AREAS OF EXPERTISE

- Public governance, integrity, anti-corruption, accountability, and state reform.
- Parliamentary oversight, transparency, control, and executive responsiveness.
- Public-sector artificial intelligence, GovTech, open data, and digital transformation.
- Public procurement, fraud detection, red flags, collusion, regulatory risk, and procurement integrity.
- Policy evaluation, causal inference, quantitative analysis, and mixed methods.
- Strategic management, results-based management, project management, and governance systems design.

PROFESSIONAL EXPERIENCE

Senior Legislative Advisor

Chamber of Deputies / National Congress · Brasília, Brazil

12/2024 to present

- Advises a federal deputy on parliamentary oversight, public integrity, digital transformation, artificial intelligence, legislative strategy, committee work, communications, and evidence-based accountability.
- Drafts the office's formal information requests to the Executive branch, including work on public health, emergency procurement, information technology contracts, government advertising budgets, and federal policy implementation.
- Co-designed, with Arthur Leite, an AI-powered auditing system that evaluates the completeness, objectivity, timeliness, evidence quality, and irregularity signals in Executive replies to parliamentary information requests.
- Organized a dataset of 13,042 request-response pairs from the Brazilian Chamber of Deputies, covering 2019 to 2024, used in academic research and applied oversight-measurement projects.
- Coordinates a shared data lake initiative for congressional offices.
- Develops Power BI and Airtable dashboards for mandate monitoring, oversight, communications, and public-resource tracking.
- Works across oversight and control, digital transformation, the Parliamentary Front for Oversight, Integrity and Transparency, committee work, communications, and office management.

Head of Technical Advisory and Executive Secretary of Cead

National Telecommunications Agency (Anatel) · Brasília, Brazil

01/2024 to 10/2024

- Served as Executive Secretary of the Center for Advanced Studies in Digital Communications and Technological Innovations, managing approximately USD 1.2 million and 30 strategic projects.

- Led research and strategic initiatives on generative AI, Open RAN, Web 3.0, public integrity, digital ecosystems, cybersecurity, and technological innovation.
- Structured Anatel's Artificial Intelligence Research Group (IA.lab) and Behavioral Sciences Research Group (Nudge.lab).
- Developed partnerships with UFG, University of Brasília, ITA, UFSC, UFCG, and Harvard University.
- Expanded technical webinar attendance from roughly 50 to 200 participants.

Advisor to Commissioner

National Telecommunications Agency (Anatel) · Brasília, Brazil

06/2023 to 01/2024

- Advised on economics, governance, management, policy analysis, and strategic regulatory issues.
- Helped strengthen the analytical basis of Anatel's technical and strategic decisions.
- Identified the need to assess the physical and cyber security of submarine cables.

Regulation Specialist, Strategic Planning Management

National Telecommunications Agency (Anatel) · Brasília, Brazil

04/2023 to 06/2023

- Evaluated strategic programs and activities to identify process improvements and promote evidence-based regulatory policy.
- Applied data analytics to administrative records and household microdata.

Chief of Strategic Management

Ministry of Infrastructure · Brasília, Brazil

09/2022 to 02/2023

- Directed the Project and Process Management Office, monitoring 31 programs, 568 projects, and approximately USD 52 billion in infrastructure portfolios.
- Led macroeconomic monitoring, corporate programming, results-based management, and institutional strategy analysis.

Chief of Governance

National Institute for Educational Studies and Research (Inep) · Brasília, Brazil

07/2021 to 08/2022

- Led governance, strategic management review, data protection, and institutional-capacity initiatives at Brazil's national education evaluation agency.
- Identified more than USD 25 million in regulatory non-compliance and approximately USD 800,000 in irregular bonus payments.
- Generated estimated contractual savings of USD 50 million in an execution contract.
- Contributed to improvements in the National Student Examination (Enem) and the implementation of Brazil's General Data Protection Act agenda.
- Managed projects with UNDP and the Organization of Ibero-American States on institutional capacity and teaching-activity indicators.

Member of the Administration Board

Geological Survey of Brazil (CPRM) · Brasília, Brazil

05/2016 to 07/2017

- Contributed to strategic oversight, governance, integrity, anti-corruption strategy, and budget supervision for an organization with roughly USD 100 million in budget responsibility.

Chief of Staff

Secretariat of the Brazilian Foreign Trade Council (CAMEX) · Brasília, Brazil

09/2016 to 06/2017

- Strengthened private-sector engagement and improved internal and external CAMEX operations through procedural simplification and routine reform.

- Prepared Council meetings with the Brazilian Presidency and coordinated engagement with members and stakeholders.
- Led the redesign of CAMEX's electronic portal.

Advisor

Ministry of Planning, Development and Management · Brasília, Brazil

01/2016 to 09/2016

- Implemented and managed a strategic management system and coordinated the development of a system to combat *Aedes aegypti*.
- Served as an interface with public-governance and project-management units.
- Monitored the development of the Minha Casa Minha Vida national system for beneficiary selection.

Advisor

Office of the Comptroller General (CGU) · Brasília, Brazil

01/2015 to 01/2016

- Developed the anti-corruption portal and the strategic system for public governance.
- Supported international anti-corruption convention work and implementation of the Electronic Information System.
- Implemented monthly one-page performance reports to improve coordination and monitoring.

Advisor

Cabinet of the Presidency of the Republic · Brasília, Brazil

10/2014 to 01/2015

- Worked on the regulation of Law 12.846, Brazil's Anti-Corruption Law.
- Supported public-administration reform, center-of-government coordination, and priority-monitoring systems.

Project Manager

Secretariat of Strategic Affairs, Presidency of the Republic · Brasília, Brazil

04/2013 to 09/2014

- Identified potential risk of approximately USD 390 million in the Mais Médicos program.
- Managed a USD 300,000 budget and introduced an agile management system.
- Coached 10 project leaders across racial equality, early childhood, immigration, youth, the new middle class, and policy monitoring and evaluation.
- Implemented cooperation agreements with UNFPA and UNDP.

Talents Development Manager

National Telecommunications Agency (Anatel) · Brasília, Brazil

06/2009 to 04/2013

- Improved training-spending efficiency from 50% to more than 98% in one year, managing a training budget of roughly USD 2 million.
- Increased average training hours per employee from 30 to 100 hours per year.
- Managed a Master's Program in Telecommunications for 200 professionals in cooperation with the International Telecommunication Union.

Advisor

National Telecommunications Agency (Anatel) · Brasília, Brazil

10/2006 to 07/2009

- Monitored a USD 72 million budget and developed multi-year strategic planning.
- Trained more than 350 professionals in project management.
- Implemented a Balanced Scorecard-based strategic planning model and PDCA management meetings.

Economic Specialist

National Telecommunications Agency (Anatel) · Brasília, Brazil

05/2005 to 09/2006

- Redesigned the merger and acquisition control system for telecommunications service providers.
- Led research on expanding telecommunications access among low-income populations through low-value prepaid credit refills.
- Produced economic analyses for ownership-control reviews and transfer proceedings.

Economic Consultant

Institute for Applied Economic Research (Ipea) · Brasília, Brazil

01/2003 to 12/2004

- Organized datasets and produced analyses, policy notes, and presentations on industrial policy, trade, R&D, and firm behavior.
- Analyzed the impact of R&D investment and bilateral trade agreements on Brazilian exports.

EDUCATION

- PhD in Social Ecology, University of California, Irvine · 09/2017 to 03/2022. Degree conferred 18 March 2022. GPA: 3.95/4.0. Dissertation: Assessing the potential for detecting fraud in Brazilian public procurement using Latent Class Analysis.
- MA in Social Ecology, University of California, Irvine · 09/2017 to 12/2020. GPA: 3.95/4.0. Thesis: Applying Structural Equation Modeling to Analyze the Mutual Causality between Corruption and Trust and the Impact of Lava Jato: Evidence from Brazil and Mexico.
- International Executive MBA, Fundação Getulio Vargas · 2006 to 2007.
- BS in Economic Sciences, Universidade de Brasília · 03/1999 to 06/2003.
- Graduate Certificate in Business, Fundação Getulio Vargas · 2002.

TEACHING

- Lecturer, Unileya University · 01/2024 to present. Leadership, Public Governance, and Artificial Intelligence.
- Lecturer, Gran Faculdade · 01/2024 to present. Infrastructure regulation, concessions, public-private partnerships, artificial intelligence, cryptography, and regulation.
- Lecturer, National School of Public Administration (ENAP) · 01/2023 to present. Public governance for results.
- Teaching Assistant, University of California, Irvine · 2018 to 2020. Criminology, Law and Society, Statistics, Research Design, Data Analysis, and White-Collar Crime.
- Lecturer, UPIS Faculdades Integradas · 2014. Strategic Management and Business Process Management.
- Instructor, Anatel and Voyager Business Technology · 2005 to 2009. Project management and ITIL Foundation.

RESEARCH EXPERIENCE

Center for the Study of Democracy Fellow

University of California, Irvine · 2019 to 2021

- Worked with Professor Graeme Boushey on automated transcription and text analysis of US state committee hearings on electronic nicotine delivery systems.
- Built a reproducible pipeline for approximately 100,000 minutes of audio and video, with batch transcription, human and hybrid benchmarks, confidence scores, speaker identification, metadata, and structural topic modeling.

Campus Summer Intern

University of California, Irvine · 04/2018

- Worked with Professor Maura Allaire on drought-resilience research in California, using econometric methods in Stata.

PUBLICATIONS AND WORK

Peer-reviewed publication

- Alencar, E. C. N., & Jackson-Green, B. (2021). Applying Synthetic Control Method to estimate the impact of the Lava Jato operation on the Worldwide Governance Indicators in Brazil. *Journal of White-Collar and Corporate Crime*. DOI: 10.1177/2631309X211017874.

Selected articles, manuscripts, and outputs

- Evidence-based anti-corruption oversight: stop counting activity, start measuring consequences. *The White Collar Times*, American Society of Criminology Division of White-Collar and Corporate Crime, 2026.
- Formal Replies, Substantive Evasion: Executive Responsiveness to Parliamentary Oversight Requests in Brazil. Under review at *Public Integrity*. Dataset: 13,042 request-response pairs, Brazilian Chamber of Deputies, 2019 to 2024.
- Evasion as a Signal: Executive Responsiveness to Parliamentary Oversight Requests as a Diagnostic Tool for State Capture. Working paper in development.
- Latent Supplier Typologies and Procurement Fraud Risk: Evidence from Brazilian Federal Procurement Microdata. In preparation, in collaboration with the Fraud Research Group.
- Governança em Tempo Real: Evidência, Integridade e Inteligência Artificial para Reconstruir a Capacidade Pública. Book manuscript in production, 2026.
- Propostas que podem ser cobradas: Uma leitura de governança dos programas presidenciais registrados no TSE em 2026. Independent executive report, 2026.
- Principais achados relacionados aos desembolsos de convênios e patrocínios da Itaipu Binacional. *Parliamentary Front for Oversight, Integrity and Transparency*, 2025.

Conferences and presentations

- Formal Replies, Substantive Evasion. Accepted presentation, American Society of Criminology Annual Meeting, Chicago, November 2026.
- Digital Finance and Cyber Risk Oversight. Accepted presentation, American Society of Criminology Annual Meeting, Chicago, November 2026.

- The AI-Powered Parliamentary Oversight Auditing System (with Arthur Leite). Extended abstract accepted at the XIV CEFOR Research and Extension Conference, Chamber of Deputies, December 2026.
- Anti-corruption reforms in Brazil, Kenya, and Rwanda: Assessing the impact on education outcomes. American Society of Criminology Annual Meeting, Washington, 2025.
- Bridging Digital Transformation and Sustainability: Overcoming Governance Challenges for Green Policy Implementation. American Society of Criminology Annual Meeting, Washington, 2025.
- Detecting fraud in price registration systems. 50th National Meeting of Economics, 2022.

TOOLS, DATA, AND APPLIED PROJECTS

- AI-Powered Parliamentary Oversight Auditing System: LLM-based pipeline to evaluate Executive replies to parliamentary information requests.
- RICs 2019 to 2024 dataset: 13,042 request-response pairs from the Brazilian Chamber of Deputies, with response-time, delay, and substantive-completeness measures.
- Radar Aberto de Integridade em Compras Públicas: procurement-risk dashboard covering 30,304 contracts and approximately BRL 59.2 billion, with 32 automated tests.
- 2026 Presidential Proposals Governance Index: public app, dataset, and executive report on official presidential government plans registered with Brazil's electoral authority.
- FIT public dashboards: voluntary federal transfers, PIX budget amendments, authorities' agendas, and Itaipu Binational agreements and sponsorships.
- Shared Data Lake for congressional offices: data integration initiative for oversight, legislative monitoring, communications, and strategy.

HONORS AND AWARDS

- Best Pitch, Digital Transformation for Sustainability, ITU and UNU-MERIT, 2024.
- Outstanding Student Paper Award, American Society of Criminology, 2022.
- Graduate Division Completion Fellowship, UCI, 2021.
- School of Social Ecology Merit-based Award, UCI, 2019 to 2023.
- Miguel Velez Fellowship, 2019 and 2021.
- Master of Public Policy Fellowship, 2017.

CERTIFICATIONS

- Digital Transformation for Sustainability, ITU and UNU-MERIT, 2024.
- UCI Mentoring Excellence Program, 2021.
- PRINCE2 Practitioner in Project Management, 2014.
- Certificate in Global Change Agents, Harvard University, 2012.
- ITIL Foundation, 2011.
- COBIT Foundation, 2011.
- Coaching and Mentoring, Holos Institute, 2010.
- Microsoft Project Orange Belt, 2006.
- Project Management Professional (PMP), 2004.

PROFESSIONAL AND ACADEMIC SERVICE

- Member, Fraud Research Group, Aston University, 2026 to present.
- Subject Matter Expert, IRU Working Group 5: Intergenerational Procurement for People-Centred Cities, 2026 to present.
- Contributor, U4SSC / Digital Development Goals, 2025 to present.
- Reviewer, Journal of White Collar and Corporate Crime, 2025 to present.

- Reviewer, Academia against Corruption in the Americas, 2025 to present.
- Member, Scientific and Editorial Board, Scientia et Ratio Magazine, 2024 to present.
- Member, Fiscal Council, Project Management Institute, DF Chapter, 2005 to 2008.

METHODS AND TOOLS

Methods: Synthetic Control Method; Difference-in-Differences; Regression Discontinuity Design; Structural Equation Modeling; Latent Class Analysis; machine learning; mixed methods; text-as-data; structural topic modeling; survey and administrative-data analysis.

Tools: Python; Stata; R/RStudio; Mplus; Weka; ArcGIS; Power BI; Airtable; Microsoft Project; TreeAge; Google Cloud Speech-to-Text; LLM API workflows.

LANGUAGES

- Portuguese: native.
- English: fluent.
- Italian: fluent.
- Spanish: intermediate.