GABRIEL BUSTAMANTE FERRADA SILVA

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EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT — Cambridge, US
Candidate for MBA, May 2026 — 2024 - Present
- Teaching Assistant for Analytics & Advanced Analytics of Finance; AI Executive Academy; AI Masterclass MIT Immersion

UNIVERSIDADE DE SÃO PAULO — Sao Paulo, Brazil
Applied and Computational Mathematics Degree; major in Economic Statistics - rank 2nd out of 50 — 2018 – 2022
Engineering Degree — 2011 – 2016

INSTITUTO TECNOLÓGICO DE AERONÁUTICA — Sao Paulo, Brazil
Data Science: ML & AI Postgraduate Degree - rank 1st out of 30, summa cum laude — 2019

ARTS ET MÉTIERS PARISTECH — Paris, France
Master of Engineering — 2014– 2016
- Technical University of Munich, *Exchange at Entrepreneurship Research Institute* — Munich, Germany

EXPERIENCE

TRIMTAB IMPACT — Atlanta and New York, USA
Impact-first asset manager incubated by The ImPact and Blue Haven Initiative, backed by MacArthur Foundation; AUM: $100M
Portfolio Modeling Summer Associate — Summer 2025
- Engineered and deployed a multi-objective optimization platform that cut portfolio construction time by 90% and enabled risk-adjusted impact scoring across capital portfolios and funds by integrating Trimtab's proprietary metrics
- Enhanced portfolio diversification and improved risk/return balance by 18% by modeling investment strategies through scenario testing and efficient-frontier simulations

ITAÚ — Sao Paulo, Brazil
Largest financial institution in Latin America (across 18 countries); NYSE/B3-listed with $492B in AUM (2024)
Senior Data Scientist (2022-2024) • Data Scientist (2020-2022) • Data Science Excellence Program (2019) — 2019 – 2024

AI Practice Co-Lead, Experimentation Team
- Accelerated feature iteration by 25% and improved user engagement by building an AI-driven experimentation platform that automated customer journey mapping, idea generation, and experiment design (human-in-the-loop)
- Enabled 400+ PMs and designers to run 150% more simultaneous tests by pioneering Generative AI integration, accelerating decision-making
- Expanded online experimentation capabilities through partnerships with MIT CSAIL & Spotify, scaling Itaú's Experimentation Platform (i.e. A/B, multivariate, multi-armed bandit testing) to 10,000+ annual experiments

Corporate Venture Builder, Beta Team
- Tested ten business hypotheses and launched two new ventures in one year by automating data pipelines and machine learning engines, shortening MVP development cycles by 33%
- Captured 34% share of a $6B market and beat profitability targets (CDI+5%) in 90 days by engineering algorithmic pricing models for secondary consortia lending

Data Science Lead, Macroeconomics Research Team
- Outperformed 538 & RealClearPolitics approval forecasts with a real-time Engagement Index using social media sentiment for U.S. & Brazil presidential ratings
- Guided $2.1B tactical portfolio adjustments during 2021 volatility by designing the Bloomberg-featured IDAT (Itaú Daily Activity Tracker), achieving 92% GDP correlation (Bloomberg Ticker: ALLX PIBI)

DELOITTE — Sao Paulo, Brazil
Consultant (2018-2019) • Senior Business Analyst (2017-2018) • Business Analyst (2017) — 2017 – 2019
- Architected enterprise Data Offices for two Fortune 500 clients, aligning technology roadmaps and operating models to drive operational efficiency
- Co-led Brazil's Ministry of Science and Technology (MCTIC) Digital Transformation Study, assessing five ICT infrastructure and shaping policy recommendations for large-scale digital integration

ADDITIONAL INFORMATION

Languages & Technical Skills
- Portuguese (native); English (fluent, CAE/C1); French (fluent, TFI/C1); Spanish (limited working proficiency)
- Python, R, SQL (full working proficiency)

Publications & Research
- *Investment Management:* Optimizing Investment Portfolios: A Framework with Dynamic Risk Aversion Adjustment
- *AI and Neural Networks:* Meta-Learning Approach for Model Selection in Time-Series Forecasting
- *Business Innovation:* Balancing Innovation and Complexity: Product Portfolio Management in an Innovative Company

Media & Thought Leadership
- Interviewed on Jornal da Globo (March 31st, 2020), Brazil's leading late-night news program (avg. 8 IBOPE points/~2M viewers), about AI-driven COVID-19 treatment protocols for Brazilian hospitals and healthcare institutions during 2020 surge

Leadership & Teaching
- Mentored 35+ Brazilian senior executives in MIT IDSS Data Science and Machine Learning Program

Hobbies & Interests
- hiking (Fuji, Acatenango, Andes); global travel (25+ countries); learning to DJ (DJ: History, Technique & Technology)