

CAIO C. VELASCO

[Portfolio](#) | [LinkedIn](#)

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Data & Analytics Engineer with strong expertise in **dbt, Snowflake, Redshift, Databricks, SQL, Python, GitHub Actions, CI/CD, AWS, and Looker**. Almost **4 years** delivering **end-to-end** data platform solutions for global clients (Airlines, Sports, IoT, E-commerce, Insurance) and **2 years** applying Data Science methods in Academia. Additional exposure to **applied LLM systems** (prompt design fundamentals, context injection, basic RAG).

Mechanical & Aerospace Engineer, Master's in Economics & Public Policy from UCLA. Awarded **prestigious full scholarships** from the Lemann and General Electric Foundations for **academic excellence** in Brazil and USA.

PROFESSIONAL EXPERIENCE

GLOBAL INDEPENDENT CONSULTING

Data Engineer & Analytics Engineer Roles - 100% Remote & Contractor

UK, USA, Brazil

January 2022 – Present

NTT Data Europe & Latam - Zurich Insurance (UK & Spain, Insurance)

- Supporting the modernization and migration of legacy SAS data pipelines into dbt Core running on Databricks, fully integrated with Azure DevOps.
- Translating complex SAS business logic into optimized dbt models (staging, intermediate, marts), implementing incremental logic, custom macros, unit tests, and data quality checks to ensure reliability, lineage clarity, and production-grade consistency.

Javvy Coffee & Urban Stems - Online Coffee & Flower Delivery (USA, e-commerce)

- Built end-to-end data pipelines, migrated legacy models, applied Kimball star-schema across Customer Support and Finance, following the medallion architecture.
- Led development of a scalable Data Platform powering internal and client-facing AI agents, enabling instant answers on data ingestion, metrics, flows, and dashboards.

FENG (Brazil, Sports / Football)

- Developed a new data architecture solution to migrate legacy ETL processes from Pentaho to dbt-core and Snowflake, implementing both ingestion and transformation tools using CDC, SCD 1 and 2, incremental strategies, dbt tests and dbt macros. Focused on payment transaction data.
- The solution reduced their ETL process time in 97%, improving efficiency and cutting warehouse costs.

IAG - International Airlines Group (UK, Airline)

- Migrated financial ETL processes into dbt-core models applying SCD Type 2 and incremental strategies.

Quext (USA, PropTech & Smart Home IoT)

- Started as a Technical Product Owner and led the development of customizable reporting tools (control panels, dashboards, reports) for IoT data. Managed multiple stakeholders (Data Engineers, Back/Frontend Developers, Product Designers). Migrated legacy ETLs to dbt & Snowflake and improving data quality.

APPLIED DATA SCIENCE PROJECTS IN RESEARCH

UK, USA

Data Scientist - 100% Remote

September 2018 – April 2020

Royal Holloway University of London

- Linear Regression analysis with Python and R for a World Bank research project about the relationship between climate change and agricultural productivity in African countries with Professor Juan Paulo Rud.

University of California Los Angeles

- Linear Regression analysis with Python and R for a project on the relationship between family planning and access to welfare in the United States with Professor Adriana Lleras-Muney.

PREVIOUS BUSINESS-ORIENTED ROLES IN BRAZIL

Brazil (2013 – 2017)

Stone Co, Credit Card Processor - Entrepreneur in Residence

- Stone is a Brazilian FinTech unicorn startup. I was its first employee, reporting directly to the founders. I designed the first draft of Stone's credit card reconciliation process.

MePrepara.com.br, a Mathematics Preparatory Online Course for GMAT and GRE - Founder

- Designed a fully automated math course to prepare low-income Brazilians for the mathematics part of GRE and GMAT exams, required at the most prestigious MBA and PhD programs worldwide.

EDUCATION

TILBURG UNIVERSITY

PhD in Economics (unfinished)

Tilburg, Netherlands

August 2020 – December 2021

- Top 5 European Economics Department. (*Due to family issues during COVID, I stopped and returned to Brazil*)
- Main topics: Advanced Statistics, Microeconomics, Causal Inference.

UNIVERSITY OF CALIFORNIA LOS ANGELES - UCLA

Master of Economics and Public Policy (Data Science track)

Los Angeles, USA

August 2017 – June 2019

- Top 15 university worldwide - *The Times Higher Education World University Rankings*.

- Main topics: Data Science, Multiple Regression Analysis, Causal Inference, Consumer Behavior.

FEDERAL UNIVERSITY OF RIO DE JANEIRO - UFRJ

Bachelor of Science in Mechanical Engineering (5-year degree)

Rio de Janeiro, Brazil

December 2012

- Top 8 Latin American university - *QS Latin America University Rankings 2023*.

- **Highest grade** in the class of 2012 of 100+ students

AWARDS

Koopmans Scholarship, Tilburg University, Netherlands, 2020

- Awarded the Koopmans Scholarship for academic excellence.

Lemann Foundation Scholarship, UCLA, USA, 2017

- Top Brazilian professionals accepted at Harvard, Stanford, MIT, Columbia, UCLA, or Oxford.

Global Pre-MBA Leadership Program, Yale University, USA, 2013

- Top 60 young people all over the world selected to explore MBA education, sponsored by Goldman Sachs.

Change Course Conference, The Club of Rome, Switzerland, 2012

- Top 60 young people all over the world selected to explore MBA education.

Mechanical Engineering, Federal University of Rio de Janeiro, 2012

- Awarded the highest recognition due to the highest grade among all mechanical engineering students.

Brazilian Government & USA Department of Education, 2011

- Full Scholarship to study mechanical engineering at North Carolina State University in the USA.

General Electric Scholar-Leader Program, Brazil , 2010

- Global scholarship to the top 10 Brazilian engineering students with both leadership and social skills.

SKILLS

- **Data Analytics & Integration:** SQL, Python, dbt (Core & Cloud), Snowflake, Redshift, DuckDB, Metabase, Rill, Looker, Meltano, Fivetran, ETL/ELT
- **Infra & DevOps:** AWS (S3, IAM), Docker (basic), Git, GitHub Actions (CI/CD)
- **Applied AI:** LLMs (prompt design fundamentals, context injection, basic RAG concepts)
- **Foundations:** Advanced Math, Advanced Statistics, and Advanced Econometrics (Causal Inference methods)
- **Languages:** Portuguese (Native), English (Fluent), Spanish (Advanced).