

# CAIO C. VELASCO

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

+34 611 85 03 96 | [caiocvelasco@gmail.com](mailto:caiocvelasco@gmail.com) | Freelancer or B2B Contractor

**Data & Analytics Engineer** with strong expertise in **dbt, Snowflake, Redshift, 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) and **2 years** applying Data Science methods in Academia.

**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

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### GLOBAL INDEPENDENT CONSULTING

**UK, USA, Brazil**

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

January 2022 – Present

#### **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 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 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

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### TILBURG UNIVERSITY

Tilburg, Netherlands

PhD in Economics (*unfinished*)

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

Los Angeles, USA

Master of Economics and Public Policy (Data Science track)

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

Rio de Janeiro, Brazil

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

December 2012

- Top 8 Latin American university - *QS Latin America University Rankings 2023*.
- **Highest grade** in the class of 2012 of 100+ students

## AWARDS

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### Koopmans Scholarship, Tilburg University, Netherlands, 2020

- Awarded the Koopmans Scholarship for academic excellence.

### Lemann Foundation Scholarship, UCLA, USA, 2017

- Top young professionals from Brazil with academic excellence who were accepted for a master program 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

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### Technical

- SQL, Python, Docker (basic), Meltano / Fivetran, dbt Core & Cloud, Snowflake, Redshift, AWS (S3, Access Control), ETL & ELT, DuckDB, Git, GitHub, Github Actions, CI/CD, Metabase, Rill, Looker, Microsoft Office.
- Advanced Math, Advanced Statistics, and Advanced Econometrics (Causal Inference methods)

### Languages

- Portuguese (Native), English (Fluent), Spanish (Advanced).