

# CAIO C. VELASCO

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

*Engineer with a Master's in Economics & Public Policy (UCLA), awarded full scholarships from the Lemann and General Electric Foundations for academic excellence. Experienced in data & analytics engineering, causal inference, and applied business problem-solving.*

**Based in Barcelona, Spain. Self-Employed. Open to Contractor / B2B / Freelancer roles.**

Tech Stack: SQL, Python, Meltano, dbt, Snowflake, Redshift, AWS, Github Actions, CI/CD, Metabase, Looker.

## EDUCATION

### TILBURG UNIVERSITY

**Tilburg, Netherlands**

*PhD in Economics (unfinished)*

*August 2020 – December 2021*

- Top 5 European Economics Department. Main topics: Advanced Math, Statistics, Microeconomics, Causal Inference.
- Due to family issues in Brazil during the Covid-19 pandemic, I stopped the PhD and transitioned to data science.

### UNIVERSITY OF CALIFORNIA LOS ANGELES - UCLA

**Los Angeles, USA**

*Master of Economics and Public Policy*

*August 2017 – June 2019*

- Top 15 university worldwide (*The Times Higher Education World University Rankings*).
- Main topics: Econometrics, Microeconomics. Awarded a full scholarship from the Lemann Foundation.

### FEDERAL UNIVERSITY OF RIO DE JANEIRO - UFRJ

**Rio de Janeiro, Brazil**

*Bachelor of Science in Mechanical Engineering*

*December 2012*

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

## PROFESSIONAL EXPERIENCE

### BRAINFORGE, AI & INSIGHT CONSULTING COMPANY

**Texas, USA**

*Analytics Engineer (Remote Job, Independent Contractor)*

*February 2025 – Present*

- Built end-to-end data pipelines with Python, SQL, dbt, Snowflake, and GitHub; modernized legacy models, applied Kimball star-schema design across Customer Support, Marketing, and Finance.
- Led development of a scalable Data Platform powering internal and client-facing AI agents (via n8n), enabling instant answers on data ingestion, metrics, flows, and dashboards.
- Drove employee advocacy initiative, increasing social reach by 50% and generating two potential client leads.

### FENG BRASIL, IT Consulting firm for Brazil's top 10 football clubs

**Rio de Janeiro, Brazil**

*Data Engineer (Remote Job, Independent Contractor – 6-month project)*

*August 2024 – January 2024*

- Developed a new Data Architecture solution to migrate their ETL processes from Pentaho to dbt-core.
- Implemented both Ingestion and Transformation tools with incremental strategies for SCD Type 1 and 2 tables.
- This solution drastically reduced their ETL process time in 97%, improving efficiency and cutting Snowflake costs.

### IAG – INTERNATIONAL AIRLINE GROUP

**New York, USA**

*Data Engineer (Remote Job, Independent Contractor – 6-month project)*

*January 2024 – August 2024*

- Migrated their ETL processes into dbt-core models for SCD Type 1 and 2 tables. Mainly focused on Financial Data.
- Expanded knowledge in Snowflake & AWS Data Warehouse Solutions.

### BLUE ORANGE DIGITAL, A.I. & DATA ANALYTICS CONSULTING

**New York, USA**

*Product Owner & Analytics Engineer (Remote Job, Self-Employed)*

*May 2022 – December 2023*

- Led the development of customizable reporting tools (control panels, dashboards, reports).
- Managed multiple stakeholders (Data Engineers, Back/Frontend Developers, Product Designers).
- Improved data quality and migrated legacy SQL code into dbt models for a Unified Data Model solution.
- Gained knowledge in Data Warehouse Solutions using SQL, Python, dbt, Snowflake, AWS, Git, GitHub.

**ROYAL HOLLOWAY UNIVERSITY OF LONDON****Egham, England***Pre-Doctoral Assistant to Professor Juan Pablo Rud (Remote Job, Self-Employed)**November 2019 – April 2020*

- Econometric analysis with STATA and Python (numpy, pandas) for a World Bank research project about the relationship between climate change and agricultural productivity in African countries.

**UNIVERSITY OF CALIFORNIA LOS ANGELES****Los Angeles, USA***Research Assistant to Professor Adriana Lleras-Muney (On-site)**September 2018 – July 2019*

- Econometric analysis with STATA for a project on the relationship between family planning and access to welfare.

**MEPREPARA, ONLINE DIGITAL PRODUCT****Rio de Janeiro, Brazil***Founder**May 2016 – Present*

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

**AOG EDUCATION CONSULTING****São José dos Campos, Brazil***Senior Consultant (On-site)**January 2015 – December 2015*

- Examined two large private schools' operations in two different states in Brazil. Mapped processes on the staffing structure, budget preparation, enrollment procedures. Developed a plan of action for improvements.

**STONE CO, CREDIT CARD PROCESSOR****Rio de Janeiro, Brazil***Entrepreneur in Residence (On-site)**December 2012 – December 2014*

- 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, which included authorization, settlement, chargeback, adjustments, and receivables. Worked with multiple stakeholders (product, engineering, finance).

**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 for the best engineering students to study engineering at North Carolina State University in the USA.

**GENERAL ELECTRIC SCHOLAR-LEADER PROGRAM, BRAZIL, 2010**

- Global scholarship awarded 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).