

# Marcus Roberto Nogueira

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## EDUCATION

### San Francisco State University

*Master of Science in Quantitative Economics (MSQE)*

*Bachelor of Arts in Economics, Minor in International Relations*

- International Student at University of Seoul, South Korea

May 2025

San Francisco, CA

### College of Marin

*Associate of Arts in Economics, Behavioral & Social Sciences*

Aug. 2018 – May 2021

Kentfield, CA

## PROFESSIONAL EXPERIENCE

### Founder & Full Stack Lead Developer

*Aqui – Community Commerce Platform*

- Built and beta launched Aqui, a mobile/web platform for discovering local street vendors.
- Managed design, data modeling, and monetization strategy; launch set for August 2025.

Jun. 2025 – Present

San Francisco, CA

### Economic Consultant

*San Francisco International Arts Festival and San Francisco Pride*

- Conducted comprehensive economic impact research to evaluate the events' contributions to the local economy.
- Developed and implemented advanced processes for data collection, analysis, and reporting.
- Produced a detailed impact report, resulting in increased funding support from the City of San Francisco.

Apr. 2024 – May 2025

San Francisco, CA

### Bookkeeper

*Larzul Bookkeeping*

- Maintained accurate financial records for over 15 bay area businesses.
- Ensured compliance with federal and state tax regulations.
- Prepared and forecasted financial statements, providing stakeholders with actionable insights to support informed decision-making.

Sep. 2020 – May 2025

San Francisco, CA

### Operations Specialist

*Apple Inc.*

- Tracked and managed inventory in a fast-paced retail environment.
- Facilitated new product launches and initiatives by collaborating with merchandise teams.

Oct. 2018 – Feb. 2023

San Francisco, CA

## ACTIVE PROJECTS

### Formula 1 Leverage Betting Strategy

*Independent Research Project*

- Developing a machine learning model to predict high-leverage F1 bets using historical race data and real-time odds.
- Applied causal inference techniques and Bayesian updating to dynamically optimize betting strategies.
- Achieved over 70% success; includes bankroll modeling and custom live data tools in R and Python.

Jul. 2025 – Present

San Francisco, CA

### Causal Analysis of NYC Congestion Pricing

*MSQE Capstone – San Francisco State University*

- Led a causal study of congestion pricing using the Queens Midtown Tunnel as a natural experiment.
- Used Difference-in-Differences and Regression Discontinuity to estimate traffic impacts.
- Awarded **Best Capstone Project**; working paper in progress for publication (Aug. 2025).

Jan. 2025 – Present

San Francisco, CA

## SKILLS

**Languages:** R, SQL, Python

**Frameworks:** React, Supabase, PostgreSQL, Agile, Tailwind, MS Excel

**Developer Tools:** Supabase, GitHub, GCP, Playwright, PostgREST, Tableau, Local LLMs, REST API development tools

**Methodologies:** Causal Inference, Time Series Forecasting, Econometric Modeling, Machine Learning, Predictive Analytics, Experimental Design, Data Cleaning, Model Validation, Monetization Strategy

**Spoken Languages:** Native English and Spanish