

MARCELA VAZQUEZ

MSc Motorsport Engineering

BSc Mechanical and Electrical Engineering

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SKILLS

Languages

- Spanish
- English (IELTS level 7.5)

Parcel

- Office
- MATLAB
- Simulink
- AVL VSM™ RACE
- Adams
- Star-CCM+
- Autodesk - Inventor

Data Science

- Python: Pandas, Numpy, Matplotlib
- SQL: Athena, PostgreSQL
- Redshift, BigQuery
- AWS
- Git
- Bash
- Google Cloud Services

Web development

- Javascript (Leaflet)
- HTML
- CSS

WORK EXPERIENCE

● Aki Technologies

August 2021 - November 2023

Jr. Data Scientist

- Used Python and SQL to develop automated reports and visualizations for client insights and upsell opportunities.
- Test and develop models to link advertising ids to basket ids
- Develop compelling reports that demonstrated campaign performance and its effect on business outcomes.

● Grupo Abraxas

June 2020 - July 2021

Jr. Data Scientist

- Make processes more efficient using Python, as well as build models and solutions related to data analysis and technology.

● S2G

January 2019 - November 2019

Business Intelligence Intern

- Focused on providing cost-efficient solutions regarding client energy consumption to reduce costs and mitigate environmental impact.

EDUCATION

● Oxford Brookes University

September 2022 - September 2023

MSc Motorsport Engineering

- **Modules:** Advanced Vehicle Dynamics, Advanced Vehicle Aerodynamics, Engineering Business Management, Electric Vehicles, Laptime Simulation & Race Engineering, Composites design and Impact Modelling.
- **Dissertation:** Development of dynamic FE code in MATLAB for planar quad elements

● Tecnologico de Monterrey

March 2020 - September 2020

Data Analytics and Visualization Bootcamp

- Boot Camp concentrated on the practical technical skills needed to solve data problems. It is focused on gaining proficiencies on Excel, Python, JavaScript, SQL, Databases, Tableau, Machine Learning and Spark.

● Universidad Iberoamericana

2015 - 2019

BSc Mechanical and Electrical Engineering

- President & Technical advisor in the society of students of Mechanical and Electrical Engineering during 2019.