

Edson Arthur Zancheta

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Objective

Highly analytical Mechanical Engineer with a specialization in data analysis and process automation. Expertise lies in identifying opportunities for efficiency gains and leveraging data-driven insights to streamline operations. Proficient in developing interactive machine learning and business intelligence tools to monitor key performance indicators (KPIs) and support strategic financial decision-making. Adept at optimizing complex workflows to enhance operational efficiency within a fast-paced financial environment.

Education

Postgraduate Diploma in Data Science

University of Campinas (UNICAMP), School of Extension (EXTECAMP), Campinas, Brazil
August 2025 – Present

Bachelor of Science in Mechanical Engineering

Universidade Federal de São Carlos (UFSCar) – São Carlos, Brazil
October 2024.

Technical Degree in Mechatronics

ETEC Prefeito Alberto Feres – Araras, Brazil
December 2012

Experience

Research and Development Jr. Analyst

Hyundai Motor Brasil

June 2024 - Current

- Research and develop product and industrial process improvement projects, focusing on quality enhancement, energy efficiency, and noise/vibration reduction.
- Manage R&D project activities, including homologation, cost and resource allocation, to ensure timely and efficient project delivery.

General Production Intern - Administrative

Hyundai Motor Brasil

January 2024 – May 2024

- Conducted data analysis and developed interactive dashboards using Python, Tableau and Power BI to support quality decision-making processes.
- Designed and implemented python software solutions for internal use, improving operational efficiency.

Quality Intern

Hyundai Motor Brasil

June 2023 – Dezember 2023

- Created and maintained Tableau dashboards to visualize and track quality management KPIs.
- Verified and validated test results provided by suppliers to ensure compliance with quality standards.
- Managed quality data by updating SQL databases and utilizing MS Access for efficient data collection and reporting.

General Production Intern - Maintenance

Hyundai Motor Brasil

May 2022 – May 2023

- Assisted in the preparation and creation of detailed reports to support maintenance and production processes.
- Supported the implementation of improvement initiatives, cost reduction strategies, and automation practices to enhance operational efficiency.
- Utilized programming tools and created data visualizations with Power BI to provide actionable insights for decision-making.

Courses and Certifications

Data Engineering – ADA

- Git, GitHub, Docker and web scrapping

Python – DataSide

- Data analysis and Machine learning.

Tableau – Qsoft

- Tableau Fundamentals Workshop.

Yellow Belt – Excelint

- Six sigma.

Skills

- Data Visualization (Tableau, Power BI)
- Machine Learning (Scikit learning, Pytorch, Reinforced Learning)
- C#
- C++
- Python
- SQL