



Higor Nunes

Data Scientist



Rio de Janeiro, Brazil



+55 21 99420-8379



Brazilian



[linkedin.com/in/higornunes/](https://www.linkedin.com/in/higornunes/)



20/11/1993



higornm@gmail.com

Summary

Self-taught Data Scientist and Automation Engineering bachelor with 3+ years of experience in major multinational companies.

My goal is to help companies create value and bring results through data science and new technologies.

Professional Experiences

01/2021 - Present

São Paulo, Brazil

Saint-Gobain

Leading Multinational Construction Manufacturer

Data Scientist

- Performing exploratory data analysis with Python visualization tools to point out bad data collection and working with engineering team to improve it.
- Performing data analysis to improve product quality through parameters optimization.
- Performing preliminary machine learning modeling with current data. Used a decision tree regressor to suggest key process parameter.
- Developed PowerApps apps for data acquirement, integrating it with Sharepoint, Dataverse, PowerAutomate and PowerBI. Organizing and making data more reliable for many departments.
- Developed PowerBI dashboards of many departments KPIs. ETL via SAP, Sharepoint and embedded Python on PowerBI.
- Deployed Python algorithm to perform repetitive tasks (RPA), transforming data and sending automatic emails.
- Developed a probabilistic logistic regression algorithm to perform customer churn probability.
- Ruled based customer segmentation for RFM analysis using Python.
- Basket analysis for product recommendation (Cross selling / Up selling) using Python.

01/2019- 01/2021

Rio de Janeiro, Brazil

Braskem

Leading Multinational Petrochemical Manufacturer

Maintenance and Reliability Engineer - Intern

- Developed Logistic regression machine learning algorithm to perform fault prediction on an important motor. Acquired real factory data from PI System, labeled the data with specialists and performed data cleaning and feature engineering using Python.
- Developed a PowerApps app for maintenance data collection. Created a structured database on Sharepoint connected in real time with a PowerBI dashboard.
- Developed PowerBI dashboards of maintenance KPIs. ETL via SAP and Sharepoint.

- Protection relay parametrization (experience with SIPROTEC and SEPAM).
- Created maintenance plans on SAP using RCM and RCA methodologies.

05/2016- 08/2016
California, US

Signetron Inc.

Start-Up led by renowned Berkeley professor Avidesh Zakhor

Software Engineer

- Scientific research of big data algorithms in computer vision.
- Responsible for labeling, testing and verifying performance and accuracy of algorithms in real data.

Education

12/2020
Rio de Janeiro, Brazil

CEFET/RJ - Federal Center of Technological Education

Renowned public university in Brazil

Bachelor of Control and Automation Engineering

- **Engineering Academic Center Coordinator** - Responsible for getting funds from the school to finance students participation in congresses and factories visits.
- **Academic Athletic Association Coordinator** - Responsible for the supporter's club. Two times state champion of best supporter's club.
- Bachelor thesis: "Extrusion motor fault prediction using Machine Learning."

08/2015 - 05/2016
Texas, US

University of Texas at Arlington

Fullbright scholarship exchange program - Science Without Borders

Bachelor of Control and Automation Engineering

- Two semesters abroad taking Automation courses and perfecting my english.
- Co-founder of the Portuguese Club.
- Portuguese language monitor.

Skills

- **Programming Languages**
 - Python (Pandas, Numpy, Matplotlib, Scikit-learn, Seaborn, Time series)
 - DAX
 - SQL
- **Tools**
 - Jupyter Notebook
 - Google Colab
 - MS PowerBI
 - MS PowerApps
 - MS Dataverse
 - MS Office
 - OSIsoft PI System
- **Languages**
 - English (Fluent)
 - German (A2)
 - Portuguese (Fluent)

Interests

- Responsible for organizing barbecue tents and cultural events on campus fairs during the exchange program.
- Handball, Soccer, League of legends and band player on college.
- Travelling
- Hiking
- Online gaming
- Netflix