


# LUCAS DE SOUZA RODRIGUES

Data Scientist


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## SUMMARY

I am a person who has worked for more than seven years with innovation, data science and automation development projects. My focus has always been very hands-on and I have worked on a wide range of projects, from experiments with audio processing to management, implementation and evolution of a WhatsApp customer service platform, going through different modeling, forecasting, classification, chatbot and RPA projects. I'm Brazilian, single, 32 years old, born in Belo Horizonte and living in Curitiba. Graduated in Control and Automation Engineering and Master's Degree student in Artificial Intelligence.

## EXPERIENCE

Jan/2022 – today	<b>Machine Learning supervisor</b>  <b>Neodent (Straumann Group) - Curitiba/PR/Brazil</b> <ul style="list-style-type: none"><li>Coordinator of Data Science and Special Projects team, with direct management of a data architect, a data scientist and a Java developer.</li><li>Responsible for budget management, structuring of area activities, preparation of reports, roadmap development.</li><li>Project and delivery manager.</li><li>Development of different data applications (processing, visualization and modeling).</li><li>Development of automation using RPA.</li><li>Expansion of tools developed by the area to other countries, especially the LATAM region, USA, Canada and China.</li><li>Consultancy and support in data projects for other Brazilian and international teams.</li><li>Integration of multinational teams.</li><li>Benchmarking of new technologies and experimentation through proofs of concept.</li><li>Management, support, structuring and evolution of a new service channel on WhatsApp. The launched platform increased customer satisfaction by more than 60%, reduced service time by 3 hours and is responsible for more than 300 calls/day.</li><li>Build reports to C-level.</li></ul> <b>Python / SQL / PowerBI / Azure / VBA / Take Blip / Qualtrics</b>
Jan/2021 Dec/2021	<b>-Data Scientist Specialist</b>  <b>Neodent (Straumann Group) - Curitiba/PR/Brazil</b> <ul style="list-style-type: none"><li>Development of applications in Python, SQL and PowerBI to send satisfaction surveys.</li><li>Development of automation for the data collection and calculation of sales order KPIs.</li><li>Creation of demand forecast models with time series.</li><li>Creation of duplicate classification models to clean CRM prospect and lead data.</li><li>Python and PowerBI training and dissemination of a data-oriented culture.</li><li>Management of WhatsApp service platform.</li></ul> <b>Python / SQL / PowerBI / Genesys Engage / Qualtrics</b>
Jan/2019 Dec/2020	<b>-Senior Consultant in Data Sciences</b>  <b>EY - Sao Paulo/SP/Brazil</b> <ul style="list-style-type: none"><li>Consulting and execution of data science projects focusing on classification, prediction and optimization. The projects were carried out in different industries like petrochemicals, consumer goods and energy.</li><li>Consulting on digital transformation projects and digital maturity assessment, focusing on data strategy and chatbots applications.</li><li>Preparation of technical requirements and calculation of effort required for projects and proofs of concept.</li></ul> <b>Python / Databricks / Azure / PowerBI</b>
Jul/2017 – Jan/2019	<b>Technology Analyst</b>  <b>Santander - Sao Paulo/SP/Brazil</b> <ul style="list-style-type: none"><li>Development of proof of concepts and text classification models in R.</li><li>Project and delivery management of chatbot for internal service. The chatbot brought immediate returns, increasing the user retention rate from 50% to around 90% after three months of operation and feedback.</li></ul> <b>Python / R</b>
Aug/2016 – Jul/2017 scholarship holder	<b>Technical Support</b>  <b>SENAI Innovation Institute in Surface Engineering</b> <ul style="list-style-type: none"><li>Equipment retrofit using Arduino and Python interface.</li><li>Automation of management spreadsheets and data processing of scientific equipment with VBA.</li><li>Processing and analyzing audio files in Python.</li></ul> <b>Python / VBA / Arduino</b>

## EDUCATION

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Aug/2021 Feb/2024	<b>-Master's Degree in Electrical Engineering with an emphasis on Artificial Intelligence</b> <b>UFPR</b> Dissertation theme: "Comparison of machine learning approaches for classifying sleep apnea events". Project developed in Python using a public database of electrocardiograms.
Mar/2010 Aug/2016	<b>-Bachelor's Degree in Control and Automation Engineering</b> <b>UFMG</b> During my undergraduate studies, I participated in scientific initiation and carried out an internship in the Photonics laboratory of the Department of Physics, developing projects in LABView.
Jan/2014 - Dec/2014	<b>Exchange</b> <b>Budapest University of Technology and Economics (BME)</b> Exchange period as a scholarship holder of the Sciences Without Borders program in Budapest, Hungary, studying Electrical Engineering

## OHTERS

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2023	<b>Paper published</b> Article accepted and presented at the XVI Brazilian Congress of Computational Intelligence. Title: "Analysis of classifiers optimizing hyperparameters and reducing dimensionality applied to sleep apnea detection"
2018	<b>Green Belt</b> <b>Santander Academy</b> Green Belt Course – Lean Six Sigma by Santander (course completed, certification not completed)
2014	<b>Paper published</b> Article published at the Brazilian Congress of Biomedical Engineering (CBEB). Title: "Selection of Characteristics by Genetic Algorithm in the Classification of Chagasic Heart Disease".