

# CURRICULUM VITAE - ENDERSON SANTOS

enderson.santos.wf@gmail.com | linkedin.com/in/enderson-santos-wf | 925308009

I am a data scientist looking for new challenges. I love to learn new things and always find new ways to improve myself, always keeping an open mind to new opportunities, and maintaining a dynamic, curious, and versatile attitude. I look for an opportunity to develop my technical skills and interpersonal skills. My life objective is to keep improving to always be on the edge of technology, aiming to grow professionally and productively contribute within an organization.

## EXPERIENCE

---

### Olx Group - Data Science Trainee

2022

A 6-month internship where I went through all the steps of a data science project. I create a model to predict the time that it takes for an item to reach the buyer's house and in that way help the buyer while he is making the purchase to make a more informed decision. During my internship, I translated jupyter notebooks into python scripts, create pipelines in Airflow, containerize my project using docker, set up the GitLab CI, used ML Flow for experimentation tracking with different models, wrote unit tests to increase maintainability and increase reliability, serve the model with an internal tool, did several analyses, present the project to a broad audience of data scientists, and ran tests in production. In the end, I was able to convince stakeholders to adopt my solution and escalate to different countries.

PROJECTS - All the projects can be found in my web portfolio: [EndersonSantos.github.io](https://EndersonSantos.github.io)

---

### Telco Churn Model

2022

A project where I did all the steps in a data science project from understanding the problem to gathering the data, cleaning them up, doing all the exploratory data analysis, looking for correlations, drawing conclusions, making a presentation with our findings, training the models, creating a flask application, and put the model into production. The data was collected in Kaggle and concerns the information about customers on Telco company. The data is labeled, and our model predicts if the customer will churn. A typical classification problem where we trained an SVM Model.

## EDUCATION

---

### Iscte 2021 – 2024

Bachelor's in Data Science (Evening)

Enables professionals to understand the entire cycle of data and develop strong analytical skills, with the capabilities to anticipate and respond to future challenges. Also understanding how and which data should be collected, organized, and managed, and enables them to integrate and quickly process large volumes and wide varieties of data (Big Data). By developing computational and mathematical reasoning, which are fundamental for Data Mining, Machine Learning, this degree endows strong analytical, creative, and ethical skills, which translate into the ability to extract, build, and analyze knowledge, and communicate it in a sustained manner for decision-making or new products and services.

### Isel 2019-2021

Bachelor's in Mechanical Engineering

I completed 2 years of mechanical engineering before I switched to data science, where I receive an honorable mention from the physics department for my performance on thermodynamics. I was able to creatively face and solve new problems and adapt to the demands of a diverse and competitive job market, ensuring a component of application of acquired knowledge and skills to the concrete activities of my professional profile. I created attitudes and actions of innovation.

## CERTIFICATIONS

---

- Google Data Analytics Professional Certificate** 2021  
Google - Coursera  
Completed extensive six-month job-ready Google Career Certificate training. Demonstrated hands-on experience with data cleaning, data visualization, interpreting, and communicating data findings. Confidence in transforming complex data into actionable and clear insights. Fluency in computer programming languages and a solid understanding of databases.
- The Complete SQL Bootcamp** 2021  
Udemy  
A course on reading and writing complex queries to a database using one of the most in-demand skills - PostgreSQL. How to use JOIN, GROUP BY, ORDER BY, HAVING, SELECT, FROM, and other commands.
- Complete Data Science and Machine Learning** 2022  
Udemy  
How to analyze data, perform data processing using Pandas and ScikitLearn, regression with all its parameters and assumptions, classification algorithms such as Logistic Regression, Decision Tree, Random Forest, Support Vector Machines, understanding of deep learning using Keras and Tensorflow, feature selection and dimensionality reduction.
- Git Mindset: Underline Architecture of Git** 2022  
Udemy  
A deep intuition about Git. How to use Git to manage a project, how to collaborate with other developers using Git, the core concepts underlying Git, how Git works under the hood, how to study the history of a project for learning and troubleshooting, and effectively use Git commands in the command line.
- GitLab CI: Pipeline, CI/CD, and DevOps** 2022  
Udemy  
The course teaches about what is a pipeline, Continuous Integration (CI), Continuous Delivery (CD), and Continuous Deployment (CD). How to automate your build, test & deployment with Gitlab CI. Industry "best practices" in building CI/CD pipelines. Automatic deployments using AWS. Build pipelines with code quality checks, unit tests, and API testing. Create Merge Requests, review code, and dynamic environments.
- Business Application of Hypothesis Testing and Confidence Interval Estimation** 2022  
Udemy  
Confidence Interval, Margin of Error, Z-Distribution, T-Distribution, Confidence Interval for a Population Proportion, Sample Size Calculation, conducting a Hypothesis Test, Single Tail, and Two Tail Hypothesis Tests, Hypothesis Test for a Population Proportion, Type I and Type II Errors in a Hypothesis, Applications of the Difference-In-Means Hypothesis Test, The Equal & Unequal Variance Assumption and the Paired t-test for difference in means.
- Docker** 2022  
Udemy  
How to use Docker, docker-compose to create multi-container applications, run Docker containers, build custom Docker images, run Docker Commands on the command line, best practices of Dockerfiles and Image building, set up a continuous deployment workflow using tools like Dockerhub, Github Actions, and Amazon ECR., cluster with Docker Swarm, publish and host Docker images on Dockerhub and Amazon ECR.

## TECHNICAL SKILLS

---

**Machine Learning Algorithms:** Linear Regression, Logistic Regression, Support Vector Machines, K-Nearest Neighbors, Decision Trees, and Random Forest, K-mean, Hierarchical Cluster Analysis, Principal Component Analysis.

**Data Structures and Algorithms:** Abstraction, Encapsulation, Inheritance and Polymorphism, Stacks, Queues, Linked Lists, Priority Queues, Binary Heaps, and Graphs.

Working knowledge of multiple programming and scripting languages:

- **Proficient** – Python, Excel, SQL
- **Professional Use** – MATLAB, R, HTML, MongoDB
- **Basic** – CSS, JavaScript

Python Packages:

- **Scientific Computing** - NumPy
- **Data Visualization** – Matplotlib and Seaborn
- **Machine Learning** – Scikit-Learn
- **Data Analysis and Data Manipulation** – Pandas
- **Web Development** – Flask

Expert knowledge of multiple DevOps tools:

- **CI/CD** - GitLab CI
- **Containerization** – Docker

Expert knowledge of data and ML engineering tools and frameworks:

- **Data Exploration** - JupyterLab, Jupyter Notebook
- **Data Processing** - Airflow
- **Data Visualization** - Dash
- **Model Lifecycle** – Mlflow

## LANGUAGES

---

English (professional working proficiency), Portuguese (native)

## OTHER ACTIVITIES

---

### European Innovation Academy

2021

One of the biggest entrepreneurship programs for young people in Europe, where I was in contact with colleagues from all over the world and mentors from all over the globe who helped us and led us for 3 intensive weeks where we had to create, validate, and develop a business idea. Communication, problem-solving, critical thinking, and especially the ability to adapt and quickly learn were essential for us to finish our project, as well as stress resilience and work ethic.

### Business Analyst Trainee

2021

A 3-week trainee focused on the most important topics related to business analysis such as requirements analysis, stakeholder collaboration, risk analysis, defining objectives, evaluating solutions, and defining requirements and diagrams.

**Federated Soccer Player**

2014-2021

I won two district championships, one under 17 and the other under 19 with Amora FC where I was the top scorer in the first. I also helped Cova da Piedade to remain in the first national division of Under-19 in the 2018/2019 season. In those years I developed very important characteristics such as communication, teamwork, effort, focus, and dedication. And the ability to keep me motivated even when difficulties arise.