

LUCIMARIO SOUSA | RESUME



- » Status: Physicist and Data Scientist, M.Sc. Physics
- » Skills: Python, SQL, Machine Learning, Data Engineering and Data Science
- » Languages: Portuguese (native), English (advanced)
- » Interests: Data Science, Data Engineering, Machine Learning
- » LinkedIn: linkedin.com/in/lucimariosousa
- » GitHub: github.com/lucimariosousa

Summary

Degree in physics, with a strong background in advanced analytical and numerical calculations, statistics and problem modeling. Experience in data science, data engineering, machine learning time series and quantitative finance. Able to work on problems that require logical reasoning, advanced mathematics, data handling, team cooperation. I have been developing some data engineering and data science projects related to the finance sector (credit modelling and time series) that can be found on GitHub.

Experience

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|--|---|---------------------------------------|--------|
| '10/2021
-01/2022 | - | Junior ML engineer (volunteer) | Omdena |
| <ul style="list-style-type: none">» I helped in the construction of a ML algorithm to estimate the volume and weight of a fish from video recorded with stereovision camera, as well as a procedure to calibrate the system. A development of a visual evaluation based system was devised, that utilizes computer vision algorithms and statistical modeling in order to obtain the mass estimation required. The project resulted in a python app that derives an estimate for individual fish weight in an image frame. | | | |

Education

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|-------------|--|---|
| 2020 - | Phd's Degree, Physics | Universidade Federal do ABC (UFABC) |
| 2018 - 2020 | Master's Degree, Physics | Universidade Federal do ABC (UFABC) |
| | » Thesis: Black Holes- Perturbation Theory and Quasinormal modes in Binary Systems | |
| 2014 - 2018 | Bachelor's Degree, Physics | Universidade Federal de Pernambuco (UFPE) |

Courses and Certificates

- » Machine Learning e Data Science com Python de A a Z by udemy.com
- » Neural Networks and DeepLearning by DeepLearning.AI
- » Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization by DeepLearning.AI
- » Structuring Machine Learning Projects by DeepLearning.AI
- » Processing Data with Python by Coursera.org
- » Fundamentos de ETL com Python by Dio.me
- » Introdução ao Git e ao GitHub by Dio.me
- » Linux: Introdução ao Sistema Operacional e Terminal by Dio.me
- » Linux: Diretórios e Comandos Essenciais by Dio.me
- » Introdução a Engenharia de Dados na Azure by Dio.me
- » Introdução a Engenharia de Dados na AWS by Dio.me
- » MySQL - Trabalhando com as suas primeiras tabelas by Dio.me
- » MySQL - Consultas com Join by Dio.me

