

VICTOR SANTOS

Data Scientist | Software Engineer | Physicist



Fortaleza, Ceará, Brazil



victor_santos@fisica.ufc.br



<https://www.linkedin.com/in/vctsantos>



<https://github.com/padawanphysicist>

3+ years of experience with data driven solutions to increase efficiency, accuracy and utility of data processing. Experienced with data pipelines, databases and analytic dashboards to deliver insights and implement action-oriented solutions. I am looking for opportunities that allow me to explore the intersection of data science and the challenges of business decisions, expanding my technical knowledge and positively impacting organizations.

EDUCATION

Ph.D. in Physics

Aug 2010 – Aug 2014

Universidade Federal do Ceará

Fortaleza, Ceará, Brazil

Visiting scholar at [Pennsylvania State University](#)

B.Sc. in Physics

Feb 2005 – Dec 2009

Universidade Federal do Ceará

Fortaleza, Ceará, Brazil

EXPERIENCE

Data Scientist & Data Engineer

Jul 2021 – Sep 2023

Instituto de Planejamento de Fortaleza

Fortaleza, Ceará, Brazil

- Lead a team of 2 data scientists in implementing the pipelines for collecting and consolidating data from different sources within the City Hall into an integrated database
- Design an analytics platform to obtain insights about the city, allowing the policymakers to calibrate and evaluate public policies

Skills: [R](#), [Python](#), Data Visualization, Databases, Storytelling

Data Scientist

Aug 2018 – Nov 2022

Fundação Cearense de Apoio ao Desenvolvimento Científico e Tecnológico

Fortaleza, Ceará, Brazil

- Worked with finance and research boards to create a report on the analysis and evaluation of scientific research developed in the state of Ceará, establishing an overview of the main areas funded by the government and a profile of the researchers and publications within the national and international scenario, through collecting and analyzing of data from national and international publishing databases, such as the [Lattes platform](#), [Scielo](#), [Google Scholar](#) and [Montenegro platform](#).

Skills: [R](#), [Ruby](#), Databases, Data Visualization, Storytelling

Lecturer

Feb 2017 – Feb 2019

Universidade Federal do Ceará

Fortaleza, Ceará, Brazil

- Teach basic Physics courses for Engineering, Physics and Geology
- Meet with and advise students outside class time for additional instruction as appropriate

Skills: [Python](#), Storytelling, Mentoring

SKILLS

[Statistics](#) [Data Analysis](#) [Research](#)

[Python](#) [R](#) [Scheme](#) [HTML/CSS](#) [JavaScript](#)

[PostgreSQL](#) [BaseX](#)

[Docker](#) [Kubernetes](#) [OpenShift](#)

[Google Cloud Computing](#) [Apache Spark](#)

[Apache Superset](#)

[Prefect](#) [Apache Airflow](#)

[Git](#) [Kanban](#) [Unix](#)

LANGUAGES

- English C1
- Portuguese Native

PROJECTS

[mittleffpy](#)

[Python](#) package for efficiently compute the [Mittag-Leffler function](#).

[Atlas of Human Capital](#)

[R Shiny](#) Report and Dashboard to monitor data about education in Fortaleza.

[Mais Fortaleza](#)

[R Shiny](#) Report and Dashboard to monitor the implementation of the Brazilian Solid Waste Legislation in Fortaleza.

[Greybody factor and quasinormal modes of Regular Black Holes](#)

Numerical investigation on the quasinormal frequencies of a class of regular black hole solutions.