ALEXANDRE HENRIQUE S. DIAS

I'm a Full-Time Data Scientist and a MSc student in Computer Engineering at UFRN. My research is focused on social network analysis, graph theory, and Natural Language Processing. Additionaly, the main programming languages I use are Python, R, C++, and SQL. Besides, my favorite ML frameworks are Scikit-Learn and TensorFlow. Lastly, I also have skills in MLOps using GKE, Kubeflow, Kubernetes, and Docker.

INDUSTRY EXPERIENCE

Present 2021

Data Scientist

Americanas S.A.

São Paulo, SP

- · Responsible for building ML models using: Python, Scikit-Learn, and Tensorflow. Apply ML to a wide range of topics, such as Complex Network Analysis, Social Networks, NLP, and HR Analytics.
- · Create ML pipelines using KubeFlow Pipelines from Google Cloud Al Platform, and participate in the design of CI/CD operations of ML models.

2021 2019

Data Scientist

Loogbox

São Paulo, SP

- · Development of BI reports and dashboards using R, Python, and SQL.
- · Maintainer of the Loogbox R Package used to build R objects and data structures compatible with the Loogbox Application.



EDUCATION

Present 2021

M. Sc., Electrical and Computer Engineering

UFRN - Federal University of Rio Grande do Norte

Natal, RN

- · Research in complex network analysis, social networks, graph theory,
- · Tools: python, networkX, gephi, TensorFlow, WandB, Git.

2022 2020

MITx Micromaster Program in Statistics and Data Science

MITx on EdX

♀ EdX

• The MITx MicroMaster Program in Statistics and Data Science covers the fundamentals of data science, statistics, and machine learning.

2019 2018

B. Sc., Computer Engineering

UFRN - Federal University of Rio Grande do Norte

Natal, RN

· Researcher and member of the Modeling and Scientific Data Analysis team.

♣ Download a PDF of this CV

CONTACT

- ☑ alexandre.hsd@gmail.com
- in linkedin me
- github.com/alexandrehsd
- M medium.com/@alexandre.hsd
- 🔰 alehsdias

TECH SKILLS

- Tensorflow 2.0
- Python 3 (pandas, numpy, scipy, matplotlib, Scikit-Learn, NetworkX)
- R (tidyverse, base R, package development)
- Kubernetes and Docker
- SQL
- 📆 git

Made w/ R pagedown package.

The source code is available at github.com/alexandrehsd/cv.

Last updated on 2022-05-30.

2017 2015

B. Sc., Sciences & Technology

UFRN - Federal University of Rio Grande do Norte

Natal, RN

- · Linear Algebra and Analytical Geometry Teacher Assistant.
- · Calculus II Teacher Assistant.



CERTIFICATES & COURSES

2022 2020

MicroMasters in Statistics and Data Science

MITx on EdX

- 6.431x: Probability The Science of Uncertainty and Data.
- · 18.6501x: Fundamentals of Statistics.
- · 6.86x: Machine Learning with Python From Linear Models to Deep Learning.
- · 14.310x/Fx: Data Analysis in Social Science.
- · DS.CFx: Capstone Exam for Statistics and Data Science.

2021

MLOps (Machine Learning Operations) Fundamentals

Coursera

2019 2018

DataCamp completed tracks

DataCamp

- · Data Scientist with Python.
- · Data Analyst with Python.
- · Data Manipulation with Python.
- · Machine Learning with Python.
- · Importing & Cleaning Data with Python.
- · Python Programming.
- · Python Programmer.



academic publications

2019

Performance Evaluation of an Edge OBD-II Device for Industry 4.0

Institute of Electrical and Electronics Engineers

♀IEEE

· Performance evaluation of an Edge OBD-II device that collects data from vehicles in an autonomous way in order to provide customer feedback and tracking



RESEARCH EXPERIENCE

Undergraduate Researcher

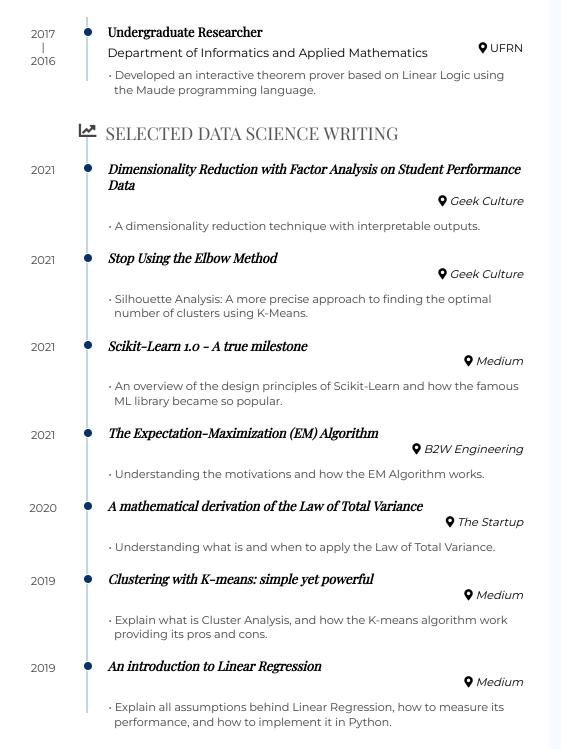
Digital Metropolis Institute

Q UFRN

· Developed a traffic monitoring system using image recognition techniques.

Paper published in the 2019 II Workshop on Metrology for Industry 4.0 and IoT (MetroInd4.0&IoT). Naples, Italy.

2019 2018



I enjoy reading about productivity, lifestyle, data science/AI, and statistics.