ALEX SANDRO ALVES DE ARAUJO

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EDUCATION

São Paulo University USP, São Paulo, Brazil *Jun 2017 - Current Position*
Degree: Ph.D. in Physics
Subjects: Time series, statistics, machine learning, large and diverse data sets
Research title: Biosphere-atmosphere interactions in South America (CNPq scholarship)

São Paulo University USP, São Paulo, Brazil *Feb 2015 - May 2017*
Degree: M.S. in Physics
Subjects: Experimental data analysis and implementation of process-based models
Research title: Urban pollution effects on aerosols hygroscopicity and warm clouds droplets activation in Amazon in context of the GoAmazon 2014/5 experiment (FAPESP scholarship)

São Paulo University USP, São Paulo, Brazil *Feb 2011 - Dec 2014*
Degree: B.S. in Physics
Subjects: Image analysis and classification models
Research title: Building a low cost sky imager (CNPq and Capes scholarships)

PROFESSIONAL EXPERIENCE

Experian Datalab / Experian Agri Business Unit
São Paulo, São Paulo, Brazil *Apr 2021 - Current Position*
Senior Data Scientist / Tech Lead

· Remote sensing for agribusiness.

Saires Capital
São Paulo, São Paulo, Brazil *Mar 2018 - Jan 2020*
Quantitative analyst

· Applied complex networks and information theory to build algorithms for trading in Brazilian stock market.
· Analysed large volumes of historical time series data in order to test deep learning models and other trading strategies.

SPECIALIZATIONS

Coursera
. TensorFlow in Practice *Apr 2020*
. Deep Learning *May 2019*

TECHNICAL STRENGTHS

Subjects	Time Series, Statistics, Machine Learning, Deep Learning
Programming Languages	Python, Matlab, C, C++
Python Packages	Pandas, Geopandas, Scikit-Learn, Tensorflow, LightGBM, Shap
Operational Systems	Linux, Bash Unix Shell
Versioning Tools	Git, Github, Bitbucket
IDEs and Typesetting	VIM, Emacs, VSCode, Latex
Databases	SQL, PostgreSQL

LANGUAGES

Portuguese (Fluent), English (Advanced)