ALEX SANDRO ALVES DE ARAUJO

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EDUCATION

São Paulo University USP, São Paulo, Brazil   *Jun 2017 - Aug 2023*
Degree: Ph.D. in Physics
Subjects: Time series, statistics, machine learning, large and diverse data sets
Research title: Study of vegetation dynamics in South America: long-term changes, anthropogenic effects, and climatic controls (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 AgriBusiness 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
Python Packages	Pandas, Scikit-Learn, Tensorflow, LightGBM, Shap
Operational Systems	Linux, Bash Unix Shell, Docker
Geospatial Tools	QGIS
Versioning Tools	Git, Github, Bitbucket
IDEs and Typesetting	VIM, Emacs, VSCode, Latex
Databases	SQL, PostgreSQL

LANGUAGES

Portuguese (Fluent), English (Advanced)