



ALEXANDRE B. DE ALMEIDA

Physicist

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Sao Joao da Boa Vista-SP, Brazil

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alebaal

SKILLS

Hard

Linux

Windows

Matlab

Mathematica

Visual Studio

PyCharm

Jupyter

Vim

Git

C++

C#

Bash

Batch

LaTeX

Python

TensorFlow

SQL

Machine Learning

Time series

Scientific writing

Soft

Communication

Creativity

Critical thinking

Thinking outside the box

Desire to learn

Honesty

Respectability

Cooperation

Resilience

Independent

CERTIFICATIONS

- Coursera
 - Machine Learning, Deep Learning and TensorFlow (see following links (L): L1, L2, L3, L4, L5, L6 and L7)
- Udemy
 - Python 3: Deep Dive (Part 1)
 - Machine Learning A-Z (in progress)
- National Research University
 - Introduction to Deep Learning

LANGUAGES

Portuguese: **Native**

English: **Advanced**

ABOUT ME

Passionate for science and interdisciplinary problems, I have been working in the financial market since 2018 developing quantitative trading strategies for Brazilian and US stock markets. I have a solid academic background with publications in prestigious scientific journals, and one year of experience abroad at Yeshiva University, New York-NY, EUA, performing research in physics field.

EXPERIENCE

Quantitative researcher | Saires Capital

March 2018 – Present

Sao Paulo-SP, Brazil

- I work on the development of equity trading strategies for Brazilian and US stock market. The strategies are developed by using machine learning algorithms, time series analysis and fundamentalist data. I care about to avoid look-ahead and survivorship bias. The main programming languages I use are Python and C#. I create automated reports to follow up the strategies in papertrade and in production.

Postdoctoral Scientist | University of Sao Paulo

2017 – 2019

Sao Paulo-SP, Brazil

Text reviewer | SOMOS Educação

2018

Sao Paulo-SP, Brazil

EDUATION

Ph.D., Physics | University of Sao Paulo

2012 – 2017

Sao Paulo, Brazil

- Scientific internship at Yeshiva University, New York – NY, EUA

Master's degree, Physics | University of Sao Paulo

2010 – 2012

Sao Paulo, Brazil

Bachelor's degree, Physics | University of Sao Paulo

2005 – 2010

Sao Paulo, Brazil

PUBLICATIONS

- J. Phys. Chem. C 125, 5335–5348 (2021)
- J. Phys. Chem. C 122, 1556–1569 (2018)
- J. Phys. Chem. C 120, 1597–1608 (2016)
- Physica A 392, 3409–3416 (2013)