

UESLEI ADRIANO SUTIL

Oceanographer



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ABOUT ME

I am a physical oceanographer with skills in programming language and data analysis and visualization. I work actively in development using Python.

Python

Django

React

Flask

Git

scikit-learn numpy UX Design git Bootstrap LaTeX Javascript HTML CSS+SASS Node.js Kubernetes



PROFESSIONAL EXPERIENCE

2017 – 2021
CNPq Fellowship

Assistant Researcher

National Institute for Space Research

- Publication of books and articles on numerical modeling and Python ;
- Personnel training in numerical modeling in Python through a course;
- Construction of the model2roms toolbox, Python and Fortran based, to create the files needed to run the ROMS numerical model. Open-source project available on [Github](#);
- Implementation of the WaveWatch 3 and ROMS Sea-Ice models on a supercomputer;
- Construction of the Ocean and Atmosphere Studies Laboratory website. Access the website [here](#).

Python / React / Flask / Django / Big data / Fortran / C++ / Git / Bootstrap / HTML/CSS

2016 – 2017
CNPq Fellowship

Assistant Researcher

National Institute for Space Research

- Implementation of the COAWST numerical modeling system on a supercomputer
- Hydrodynamic and atmospheric modeling to study extreme weather events and ocean-atmosphere interaction in the Southwest Atlantic.

Python / Big data / Fortran / C++ / MATLAB

EDUCATION

2020 – 2021

Dev Full Stack

HSM University

Javascript / HTML+CSS/SASS / Webservice Client e Server / Angular / Node.js / UX design / Banco de dados

2020 – 2020

Machine Learning A-Z™: Hands-On Python & R In Data Science

Udemy

Certificate available [here](#).

Python / R / Tensorflow / numpy / scikit-learn

2014 – 2016

Master's degree: Remote Sensing

Federal University of Paraná

Thesis: *Ocean-Atmosphere Interactions in an Extratropical Cyclone in the Southwest Atlantic*. Available [here](#).

Python / Big data / NCL / Fortran / C++ / MATLAB / Linux

2009 – 2013

Bachelor's degree: Oceanography

Federal University of Paraná

Thesis: *Variability of Sea Surface Temperature during an Extreme Precipitation Event in Santa Catarina*. Available [here](#).

Undergraduate research project: *Meteorological aspects associated with the extreme event of November 2008 in the eastern state of Santa Catarina*. Available [here](#).

GrADS / Python / Big data / Linux

RELEVANT PUBLICATIONS

Books and Articles

Python, modelagem numérica e treinamento de pessoal

- [COAWST User's Guide - 3ª Ed.](#)
- [Guia para utilização do COAWST - 2ª Ed.](#)
- [Guia para utilização do COAWST](#)

- [Extreme rainfall event in the Northeast coast of Brazil: a numerical sensitivity study](#)

LANGUAGES

- **Portuguese** - Native
- **English** - Proficient ([Nível C2](#))
- **Italian** - Intermediary
- **Spanish** - Beginner



VOLUNTEER WORK

Casa 1

Jan 2019 – Dez 2019

Frente de Parcerias Comerciais e Empregabilidade

- Cultural events support
- Prospection of possible potential partners to help fund the organization