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 initial force 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
```

EDUCAÇÃO

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*. Avaliable **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*. Avaliable **here**.
Undergraduate research project: *Meteorological aspects associated with the extreme event of November 2008 in the eastern state of Santa Catarina*. Avaliablea **here**.
```
GrADS / Python / Big data / Linux
```
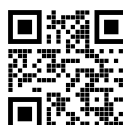
RELEVANT PUBLICATIONS

Books and Articles
Python, modelagem numérica e treinamento de pessoal

· COAWST User's Guide - 3° Ed.
· Guia para utilização do COAWST - 2° 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