

# Wallisson Moreira de Carvalho



## Personal Information

📍 Maceió, Alagoas, Brazil  
💻 wallissoncarvalho.github.io  
☎ +55 (82) 9 9687 0836  
✉ cmwallisson@gmail.com

## Languages

🇬🇧 English  
🇧🇷 Portuguese

## Skills

🔗 Python  
📦 Django, PostgreSQL  
📊 Statistics  
🌐 GIS/Geoprocessing

## Career Objective

A self-motivated and inspired team player who is always looking for opportunities for growth. Intrigued and inclined towards areas of Water Resources, Data Science, and Statistics.

## Education

2019 - Now **M.Sc, Water Resources and Sanitation** Federal University of Alagoas - Brazil  
A Framework to Generate Probabilistic Flood Maps  
2014 - 2018 **B.Sc, Environmental and Sanitary Engineering** Federal University of Alagoas - Brazil  
One-Dimensional and Two-Dimensional Hydrodynamic Modeling for Floodplain Areas: A case of study in Atalia city.

## Projects

2019 - Now **Open web platform for brazilian watersheds analysis, planning and management**  
Programmer and Water Resources Engineer

- Hydrological data management including graphical plotting and statistical analyse;
- Hydrological modeling;
- Geospatial analysis of hydrological data.

2019 - Now **Decision support system GIS-based for superficial water grants**  
Programmer and Water Resources Engineer

- Graphical interfaces development using C and .NET for the user interaction with the system;
- Database structure development considering geographic and time series data;
- Decision support system application at different watersheds for water grant analysis.

2019 - Now **GlobalHydroPressure: Model-based Global Assessment of Hydrological Pressure**  
Water Resources Researcher

- Hydrological and hydrodynamic modeling of floods at a watershed of Alagoas/Pernambuco;
- Hydrological reports with alerts based on water level for droughts and floods;
- Formulate and evaluate Decision Support Indicators.

## Experience

2018 - 2019 **Gama Water Resources Engineering** Maceió, Brazil  
Intern and Water Resources Engineer

- Hydrological Modelling;
- Development of river basin management plans.

## Awards & Accomplishments

2018-2019 **7 Published Papers in National Conferences of Water Resources**

2016 **Academic Undergraduate Excellence Award**

2015-2016 **3 Published Papers in National Conferences of Engineering Education**

2014-2018 **Math teacher volunteer for low-income high school students**