

# Jéssica Garcia Uchôa

Date of birth: 01/05/1993

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Nationality: Brazilian

## EDUCATION AND WORK EXPERIENCE

Graduated with and Bachelor's in Geography from the Federal University of Espírito Santo (UFES) in Brazil and currently attends a Master's degree in Volcanology and Geological Risks from the University of the Azores in Portugal. Experience as an instructor in the training of drone pilots for topographic purposes and in analyzing information and spatial data using Geoprocessing techniques (Geographic Information System - GIS and Remote Detection), performing maintenance and manipulation of geographic databases in GIS software.

## EDUCATION

- Master's student in Volcanology from the University of the Azores, Portugal. (2019-2021);
- Bachelor in Geography from the Federal University of Espírito Santo, Brazil. (Concluded in 2019);
- Degree in Geography from the Federal University of Espírito Santo, Brazil. (Concluded in 2016);
- Scientific Initiation Scholarship in Geotechnology of The Brazilian National Council for Scientific and Technological Development (CNPq). (2014-2015);
- Scientific Initiation Scholarship in Urban Planning of The Brazilian National Council for Scientific and Technological Development (CNPq). (2016-2017)\*;

\*Awarded by The Brazilian National Council for Scientific and Technological Development (CNPq) as "The Best Research in the Humanities Area of 2017" for Extension Projects at the Federal University of Espírito Santo, Brazil.

## **Professional Experiences**

### **Centre for Information and Seismovolcanic Surveillance of the Azores (CIVISA)**

**Position:** collaborator

**Period:** October – December/2020

**Responsibilities:** data compilation in a 3D environment as part of the HEATSTORE-Geothermic Era-net research project.

### **Research Institute for Volcanology and Risk Assessment (IVAR)**

**Position:** collaborator

**Period:** May – September/2020

**Responsibilities:** data compilation in a 3D environment as part of the HEATSTORE-Geothermic Era-net research project.

### **Serra City Hall**

**Position:** chief of Staff at the Strategic Planning Secretariat

**Period:** February – September/2019

**Responsibilities:** elaboration of digital mappings with the objective of locating areas, diverse urban controls and other demands from the internal departments of the city hall and delimitation of Environmental Protection Zones.

### **Foco Environmental Solutions Ltda**

**Position:** environmental analyst

**Period:** may/2018 – march/2019

**Responsibilities:** coordination of executive projects, elaboration of topographic plans for planning transmission lines and aerial mapping with drones, furthermore instruction in the course of piloting drones for topography.

### **Serra City Hall**

**Position:** Geography Intern

**Period:** March/2015 - July/2016

**Responsibilities:** elaboration digital mappings to locate areas, diverse urban controls and other demands from the municipal departments; mapping the infrastructure and urban equipment of the Serra city hall in software ArcGis. Georeferencing of properties and subdivisions, as well as the use and inclusion of information in the database linked to the geographic information of the city.

### **Agricultural and Forestry Defense Institute of Espírito Santo**

**Position:** Geography Intern

**Period:** July/2012 – July/2014

**Responsibilities:** elaboration of georeferenced maps and topographic plans. Conversion of CAD files to shapefile files (QGIS and MicroStation). Registration of processes for land regularization purposes. Inclusion of data in the SIMLAM System for the Rural Environmental Registry.

## **TRAINING COURSES AND CERTIFICATES**

**Course:** Geoserver

**Educational institution:** Geocursos (September/2020)

**Course:** Autocad

**Educational institution:** UAITEC LAB (July/2019)

**Course:** Express Aerial Mapping

**Educational institution:** DronEng (January/2019)

**Course:** Topography with Phantom in rural environment

**Educational institution:** Foco Environmental Solutions Ltda (March/2018)

**Course:** Creating a Geodatabase

**Educational institution:** Environmental Systems Research Institute (October/2015)

**Course:** ARCGIS 3: Performing Analysis (10.3 Version)

**Educational institution:** Environmental Systems Research Institute (October/2015)

**Course:** ArcGIS 4: Sharing Content on the Web (10.3 Version)

**Educational institution:** Environmental Systems Research Institute (October/2015)

## **SKILLS**

Softwares: Pacote Microsoft Office, ArcGis, GPS TrackMaker, QGis, MicroStation, Corel Draw, AutoCad Map, Global Mapper e Photoshop and ease of learning new tools.

## **LANGUAGE SKILLS**

- Portuguese (native speaker)
- English (basic)