

## PROFILE

I am an engineer passionate about web programming and constantly learning new technologies and tools.

## KEY SKILLS

React.js, Node.js, Carbon Design, Material-UI, Bootstrap, Tailwind, GIT/GITHUB, CSS-SASS, Firebase Firestore, HTML5, REST API's. R.

## LANGUAGES

**Spanish:** Native speaker

**English:** Professional working proficiency

Two years of English in University (2018-2020)

IELTS Academic - Band Score 6.0 (2017)

**German:** C1- BelinoSchule (2020)

**Portuguese:** C1 - CELPE-BRAS- Upper Intermediate (2013)

## CONTACT

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<https://www.linkedin.com/in/nataliagarciasas/>



<https://twitter.com/nataqr>

<https://www.researchgate.net/profile/Natalia-Garcia-18>



## NATALIA GARCIA JUNIOR WEB SOFTWARE DEVELOPER

Website: <https://portafolio-carbon.vercel.app>  
Github: <https://github.com/nataqr23>

## WORK EXPERIENCE

**UNPAID EXPERIENCE: WEB DEVELOPMENT-React web developer**  
09.2021-present

### Featured Projects:

**Agro-App** <https://agro-app-three.vercel.app/>  
[https://github.com/nataqr23/Agro\\_App](https://github.com/nataqr23/Agro_App)

CRUD web app with Authentication

- Uses Google Firebase for database storage
- Allows users to add, edit and delete agricultural products and show them in GoogleMaps. It has a Search bar to filter products
- Built with React, Node.JS, MUI, Firebase Firestore, GoogleMaps, Hooks, useContext

**Photo Catalogue** <https://fotos-antiguas-de-colombia.onrender.com/>  
<https://github.com/nataqr23/old-photos>

Web app retrieving old photos from Colombia from the Dresden digital photo catalog

- Allows users to view old photos of at least eight cities in Colombia. Users can zoom in and out and download photos. Built with React, MUI, Hooks useContext

**Weather Charts** <https://weather-statistics.vercel.app/>  
<https://github.com/nataqr23/weather-statistics>

Web App displaying graphs with data from the Colombia Institute of Hydrology

- Users can see the exact daily river levels by hovering over the graph.
- It makes requests to retrieve climatic data of weather stations. Built with React, MUI, useContext. Creation of graphs using D3.js

**RHEINPLAN Ingenieurgesellschaft - Environmental Engineer**  
01.2021-06.2021

Preparation of explanatory reports on irrigation pipelines. Drawing of general plans, site plans, longitudinal sections with BricsCAD.

**INALCON, CMM Environmental Engineer**  
01.2012 - 06.2017

Evaluation and Design of water structures, waste and stormwater pipelines using SewerGEMS and EPA SWMM, Autocad, ArcGis and Microsoft. Conducting field visits and interviews on sanitation in rural areas of Colombia.

## EDUCATION

**IBM Carbon Design System Developer Essentials - React**  
07.2022

**Front-end Development-(React/Redux/TS/JS)**  
**(Udemy)**  
09.2021 - Present

Non-formal education program with practical challenges in developing web apps

**Technische Universität Dresden - Master of Science in Hydrosience and Engineering (Language of instruction: English)**  
10.2017 - 10.2019

Thesis: Evaluation of rainfall runoff modelling using BROOK90 in R in a case study of a catchment area in Colombia

**Universidad Distrital Francisco José de Caldas - Bachelor of Science in Environmental Engineering**  
08.2006- 04.2013

# **CERTIFICATE OF THE MASTER EXAMINATION**

**Ms Natalia Garcia Rosas**

born in Bogotá on 20 August 1987

has passed the examination in the Master programme

**Hydro Science and Engineering**

in accordance with the examination regulations for the Master programme with

**Final grade: good (2.0)**

(ECTS-Grade: C)

and has achieved the following examination results:

Master thesis titled:

Evaluation of rainfall runoff modelling using BROOK90 in R in a case study of a catchment area in Colombia

Supervisor: Prof. Dr. phil. Christian Bernhofer

Grade: good (1.9)

Credits: 30

<b>Module examinations</b>	<b>Cr</b>	<b>Grade</b>
<b>Compulsory modules</b>		
Statistics	5	1.3
Climatology and Hydrology	5	2.5
Geodesy	5	2.3
Soils	5	2.3
Study Project IWRM	10	1.3
Hydromechanics	5	3.7
Hydraulic Engineering	5	3.7
<b>Optional modules</b>		
International Water Issues	5	1.3
Circular Economy	5	2.4
Flood Risk Management I	10	1.8
Flood Risk Management II	10	1.9
Climate Change	5	2.1
Hydrodynamics	5	2.3
Watershed Management II	5	1.3
Urban Water II	5	3.0
<b>Additional module</b>		
Climate Systems and Climate Modelling	5	p

For the assessment of the individual exam achievements in module examinations, please see Annex to the Certificate.

Duration of degree studies including the completion of the Master Examination semesters: 4

Dresden, 17 September 2019

Chairman of  
Examination Board



Prof. Dr. phil.  
Christian Bernhofer

Grading scheme: very good (1.0-1.5), good (1.6-2.5), satisfactory (2.6-3.5), sufficient (3.6-4.0)  
ECTS grading scheme: A (best 10%), B (next 25%), C (next 30%), D (next 25%), E (next 10%)  
If the final grade is 1.2 or better, the additional rating „with distinction“ is being awarded.  
Cr: ECTS-Credits; p: passed; r: recognised



**TECHNISCHE  
UNIVERSITÄT  
DRESDEN**

## DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

### 1. HOLDER OF THE QUALIFICATION

#### 1.1 Family Name / 1.2 First Name

Garcia Rosas, Natalia

#### 1.3 Date, Place, Country of Birth

20th of August 1987, Bogotá

#### 1.4 Student ID Number or Code

n.a.

### 2. QUALIFICATION

#### 2.1 Name of Qualification (full, abbreviated; in original language)

Master of Science (M.Sc.)

#### Title Conferred (full, abbreviated; in original language)

n.a. - n.a.

#### 2.2 Main Field(s) of Study

Hydro Science and Engineering

#### 2.3 Institution Awarding the Qualification (in original language)

Technische Universität Dresden  
Fakultät Umweltwissenschaften

#### Status (Type / Control)

University / State Institution

#### 2.4 Institution Administering Studies (in original language)

[same]

#### Status (Type / Control)

[same / same]

#### 2.5 Language(s) of Instruction/Examination

English