

JUAN CAMILO ROJAS HERNANDEZ

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EXPERIENCE

FEBRUARY 2019 – PRESENT

ENVIRONMENTAL HEALTH CONTRACTOR, INSTITUTO NACIONAL DE SALUD

As part of the surveillance department and the group of environmental risk factors, I worked mainly in the generation of systems for the evaluation of health risk associated with environmental conditions through data analysis in R, Power BI, Stata, EpiInfo software, Looker and ArcGIS/QGIS, in addition to generating follow-up analysis and responding to environmental situations and events that affect the population.

- Analysis of environmental and health data
- Development of a surveillance system for health effects VIGIFRA – INS
- Development of automatic machine learning systems for information analysis.
- IOTA Hurricane Response
- Response to the Covid-19 pandemic
- La Mojana situation response
- Monkeypox Response
- training in R software for INS professionals

• TRAINING DEPARTMENTAL ENTITIES IN GEOGRAPHIC ANALYSIS PROCESSES, STATISTICAL ANALYSIS AND USE OF PREVENTIVE AND REACTIVE SURVEILLANCE TOOLS. AUGUST 2022 – SEPTEMBER 2022

TEACHER, INSTITUTO NACIONAL DE SALUD

Participation as a teacher in the training of "Spatial analysis for epidemiology", for three different territorial entities of the country.

- It was possible to develop a complete and applicable work plan for each of the prioritized territories.
- The objective of the training project was met.

THREE FREELANCE PROJECTS

INDEPENDENT CONSULTOR, GEOESTUDIOS S.A.S.

- **Year 2017.** Participation in the collection of social information around the gas pipeline project for environmental and social impact assessment.
- **Year 2019.** Development of the environmental baseline - Biotic Physical component. Carrying out workshops with communities to capture risk management information. Epidemiological risk analysis for the La Florida airport.
- **Year 2021.** Development of an environmental risk and impact assessment methodology for the issues of ecosystem services, community health and safety, and the exacerbation of these issues by climate change scenarios, for the northern plains pipeline block, under IFC standards and equator principles.

For all the projects, the proposed objectives were fully met, in addition, stable and lasting relationships were generated with the community and the stakeholders of each project.

FEBRUARY 2018 – DECEMBER 2018

ENVIRONMENTAL ENGINEER, FARMER'S DAVE

Responsible for managing irrigation systems, monitoring physicochemical soil conditions and residue control in organic and integrated crops, together with production optimization systems, focusing on personnel management and optimization of distribution and supply systems.

DECEMBER 2016 – SEPTEMBER 2017

ENVIRONMENTAL CONSULTANT, RYS CONSULTORIA Y ASESORIA

Environmental specialist of projects related to the formulation, execution and implementation of environmental management plans and their possibilities for improvement within the client's requirements, together with the respective training, in addition to promoting and developing proposals for new projects.

- The projects and each of the objectives set were achieved with total satisfaction on the part of the actors involved, always generating lasting relationships with the actors involved.

EDUCACIÓN

JUNE 2021 – CURRENT, BOGOTÁ, COLOMBIA

MASTER IN ENVIRONMENTAL HEALTH, UNIVERSIDAD EL BOSQUE

JANUARY 2020 – DECEMBER 2020, BOGOTÁ, COLOMBIA

SPECIALIZATION IN EPIDEMIOLOGY, UNIVERSIDAD DE LOS ANDES

JULY 2017 – FEBRUARY 2020, BARCELONA, SPAIN

MASTER IN PROJECT MANAGEMENT, ESCUELA DE NEGOCIOS EUROPEA DE BARCELONA

- CUM LAUDE DEGREE

JULY 2012 – FEBRUARY 2016, BOGOTÁ, COLOMBIA

ENVIRONMENTAL ENGINEER, UNIVERSIDAD EL BOSQUE

LANGUAGES

ENGLISH, B2 (CERTIFIED)

SPANISH, NATIVE

CERTIFICATES, CONFERENCES & COURSES

- **Getting and cleaning Data/** Johns Hopkins University - 2023
- **R Programming/** Johns Hopkins University- 2023
- **The Data scientist's Toolbok /** Johns Hopkins University- 2023
- **Basic Field Epidemiology Training Program (FETP) course /** CDC- 2019
- **Intermediate Field Epidemiology Training Program (FETP) course /** CDC - 2020
- **Course Field Epidemiology Training Program (FETP) intermediate methods /** CDC - 2021
- **Advanced Field Epidemiology Training Program (FETP) course /** CDC - 2022
- **Epidemiological analysis in R software** universidad javeriana – 2019
- **Immediate response course for emergencies and outbreaks /** ins 2022



- **Mercury poisoning course / ins 2022**
- **General Environmental Health / South Central Center for Public Health – 2021**