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Data Engineer
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EDUCATION

Universidad de los Andes	Bogotá, Colombia	Information Engineering	MS, Current
Universidad Distrital Francisco José de Caldas	Bogotá, Colombia	Geographic Information Systems	Specialist, 2016
Universidad Distrital Francisco José de Caldas	Bogotá, Colombia	Cadastral and Geodesy Engineer	BS, 2015

RESEARCH INTERESTS

Spatial data Analysis, Spatial data Engineering, Big data, Machine learning of spatial data, Geographic Information Systems.

PROFESSIONAL EXPERIENCE

The Water Institute of the Gulf	Geospatial Analyst	2021-Present
Isatech Corporation S.A.	GIS Specialist	2018-2021
Amazon Scientific Research Institute (SINCHI)	GIS Administrator	2017-2018
Esri Colombia	Engineer of technical marketing	2014-2017
	Engineer of web apps development	2014

AWARDS AND HONORS

- First Class honors at Universidad Distrital - Third period 2013

- First Class honors at Universidad Distrital - Third period 2012

- Best Saber Pro Certificate - Second Period 2014[1]

- Hackathon agriculture winning team with "Corabastos a un clic" 2014

COMMUNITY SERVICE

| Maloka. Bogotá, Colombia | STEAM Mentoring | 2021-2022 |

NOTABLE PROJECTS

SmartPort & Resilience Center.   Current
The Water Institute

GLO Combined River Basins Flood Studies Phase 3   Current
Texas General Land Office

Real Time Forecasting   Current
Louisiana Coastal Protection and Restoration Authority (CPRA)

Regionwide Avian Monitoring   Current
Regionwide Trustee Implementation Group

Louisiana Watershed Initiative CEA2   Current
Louisiana Coastal Protection and Restoration Authority (CPRA)

The Colombian Coffee Information System   2018-2021
Colombian's National Federation of Coffee Growers and Isatech Corporation

Integral Oil Platform   2019
Isatech Corporation

Amazon Land Covers   2017-2018
Amazon Scientific Research Institute (SINCHI)

PUBLICATIONS AND PRESENTATIONS

Bogotá, H., Caro N., Peñuela. C, 2016. Cálculo de Fletes de Transporte de Carga Terrestre Basado en Análisis Espacial. Universidad Distrital Francisco José de Caldas.

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[1] Saber Pro: It is the State of Quality Exam of Higher Education in Colombia applied directly by ICFES. The presentation of this exam is a mandatory requirement to graduate undergraduate)