

## Education

### FORMAL

#### Universität Stuttgart

M.Sc. GEOMATICS ENGINEERING

With special emphasis on Geoinformatics and Web Mapping.

Stuttgart, Germany

Oct. 2015 - (Exp.) Nov. 2017

#### Universidad Nacional de Colombia

B.ENG. CIVIL ENGINEERING

With emphasis on Water Resources and GIS.

Bogotá, Colombia

Mar. 2006 - Aug. 2012

### INFORMAL

#### ESRI Education

ESRI MOOC: THE LOCATION ADVANTAGE | ESRI MOOC: GOING PLACES WITH SPATIAL ANALYSIS

Data spatial analysis with ArcGIS Online and Business Intelligence applications.

Online

Apr. 2017 ( 30 hours)

#### Massachusetts Institute of Technology

(6.00.1X) INTRODUCTION TO COMPUTER SCIENCE AND PROGRAMMING USING PYTHON [MOOC EN EDX]

Introduction to computational thinking and programming with Python.

Online

Jan. 2017 ( 90 hours)

#### University of California, San Diego

PYTHON FOR DATA SCIENCE [MOOC EN EDX]

Introduction to Data Science: Statistical Analysis and Machine Learning using Python.

Online

Jul. 2017 - (Underway, 100 hours)

## Skills

**Programming** Python | JavaScript | LaTeX | Matlab | Git

**Web Mapping** HTML5 | CSS3 | Leaflet | Mapbox | D3 | jQuery

**GIS** ArcGIS | ArcGIS Online | QGIS

## Experiencia

#### CCH Ingeniería - Consorcio Hidrocorredores Viales

DESIGN ENGINEER

- Assessment of hidrologic basins with GIS tools support.
- Surface hidrology for roadway design of 4G highways in Colombia.
- Assessment of spatial-temporal climatological parameters with evaluation of ENSO phenomenon.

Bogotá, Colombia

Apr. 2014 - Feb. 2015

#### INGETEC S.A.

JUNIOR ENGINEER

- Hidrologic and climatologic studies with GIS tools support.
- Hidrologic evaluation of flow volumes for many colombian water streams.
- Assessment of hidrological component on Environmental Impact evaluation studies.

Bogotá, Colombia

Ago. 2012 - Abr. 2014

## Reconocimientos

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2015    **Scholarship for postgraduate studies**, COLFUTURO

2015    **Scholarship for Master studies in Germany**, DAAD - German Academic Exchange Service

## Languages

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### Spanish

NATIVE

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### English

PROFESIONAL PROFICIENCY

C1 Level

*TOEFL Certificate*

2014

### German

ELEMENTARY PROFICIENCY

B1 Level

*Carl Duisberg Centrum Zertifikat*

2015

## References

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(On request)