

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

Experience

CCH Ingeniería - Consorcio Hidrocorredores Viales

DESIGN ENGINEER

- Assessment of hydrological basins with GIS tools support.
- Surface hydrology 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

- Hydrological and climatological studies with GIS tools support.
- Hydrological evaluation of flow volumes for many Colombian water streams.
- Assessment of hydrological component on Environmental Impact evaluation studies.

Bogotá, Colombia

Aug. 2012 - Apr. 2014

Honors & Awards

2015 **Scholarship for postgraduate studies**, COLFUTURO

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

Languages

Spanish

NATIVE

—

English

PROFESIONAL PROFICIENCY

C1 Level

TOEFL Certificate

2014

German

ELEMENTARY PROFICIENCY

B1 Level

Carl Duisberg Centrum Zertifikat

2015

References

(On request)