

# Meili Vanegas-Hernandez

## contact

Bogota, Colombia

+57 (318) 489 2536

[mvanegas10.github.io](https://github.com/mvanegas10)

## languages

Spanish (native)  
English (proficient)  
French (advanced)  
German (beginner)

## programming

Python, JavaScript,  
Java, C, SQL, Swift,  
Matlab, L<sup>A</sup>T<sub>E</sub>X, Visual  
Basic, HTML, CSS

NodeJS, Jupyter  
Notebooks, MongoDB,  
Tablau, Django, D3.js,  
AngularJS, ReactJS

## interests

**professional:** visual analytics, big data, data science, machine learning, image analysis and processing, business intelligence, urban planning. **personal:** drawing, arts, hiking, photography, swimming, music.

## professional experience

07.2017

05.2018

### Computer Graphics & HCI Group at TUK

Kaiserslautern, Germany

*Research Assistant*

Developing an analytics tool to support failure detection in manufacturing processes. Master thesis: Proposed a visual analytics tool to assist biological sequences identification and classification.

01.2017

07.2017

### ALIANZA CAOBA

Bogota, Colombia

*Research Assistant*

Developing research activities, state-of-the-art review and software development oriented in Big Data and Data Analytics. Participating in a project along with the Secretary of Finance in Bogota to grade taxpayers in property taxes.

06.2016

07.2016

### I3S AND ESPACE LABORATORY AT SOPHIA ANTIPOLIS UNIVERSITY

Nice, France

*Junior Researcher*

Working in the project Transport Oriented Modeling for urban densification Analysis (TOMSA)/ECOS Nord. Building a urban decision support platform, which holds a Urban Agent-Based Model (ABM) to simulate the relocation of households under a spatial and possibilistic scenario.

01.2016

12.2016

### IMAGINE RESEARCH GROUP AT LOS ANDES UNIVERSITY

Bogota, Colombia

*Research Assistant*

Working as undergraduate researcher for the image processing research team at Los Andes University, performing visual analytics in urban planning.

## education

2017–2018

**M.Sc.** Applied Computing  
(International Exchange Program)

Technische Universität Kaiserslautern

2017–2018

**M.Sc.** Applied Computing [GPA 4.30]

Los Andes University

2012–2016

**B.Sc.** Systems and Computing Engineering [GPA 4.08]

Los Andes University

2010–2012

**IB** Diploma Programme [IB Score 27]

Gimnasio Vermont. Bogota, Colombia

## projects and contests

2016

**Hackathon Cognitiva (Winner)**

IBM, UniAndes, Alianza Caoba

2015

**IT Innovation Contest (Second Place)**

Los Andes University

2012

**Summa Cum Laude**

Gimnasio Vermont