

Meili Vanegas-Hernandez

interests

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

contact

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

languages

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

programming

Python, JavaScript,
Java, C, SQL, Swift,
Matlab, \LaTeX , Visual
Basic, HTML, CSS

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

professional experience

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|--------------------|--|-------------------------|
| 10.2018 | DEXON SOFTWARE
<i>Developer</i>
Participating in the project for processes automation for health public entities.
<i>I decreased response time by evaluating and implementing more efficient solutions under a UX study.</i> | Bogota, Colombia |
| 07.2017
05.2018 | Computer Graphics & HCI Group at TUK
<i>Research Assistant</i>
Designing and implementing an analytics tool to support failure detection in manufacturing processes.
Master thesis: Proposed a visual analytics tool to assist biological sequences identification and classification. | Kaiserslautern, Germany |
| 01.2017
07.2017 | ALIANZA CAOBA
<i>Research Assistant</i>
Participating in a project along with the Secretary of Finance in Bogota to grade taxpayers in property taxes.
Developing research activities, state-of-the-art review and software development oriented in Big Data and Data Analytics.
<i>I decreased development time in 50% by proposing modular-based programming and reusable components.</i> | Bogota, Colombia |
| 06.2016
07.2016 | I3S AND ESPACE LABORATORY AT SOPHIA ANTIPOLIS UNIVERSITY
<i>Junior Researcher</i>
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. | Nice, France |

education

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|--------------------|--|---------------------------------------|
| 08.2017
05.2018 | M.Sc. Systems and Computing Engineering
<i>Emphasis in Applied Computing</i>
(International Exchange Program) | Technische Universität Kaiserslautern |
| 01.2017
05.2018 | M.Sc. Systems and Computing Engineering
<i>Emphasis in Applied Computing</i>
[GPA 4.30] | Los Andes University |
| 08.2012
12.2016 | B.Sc. Systems and Computing Engineering
[GPA 4.08] | Los Andes University |
| 07.2010
05.2012 | IB. Diploma Programme
[IB Score 27] | Gimnasio Vermont |

projects and contests

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|------|---|------------------------------|
| 2016 | Hackathon Cognitiva (Winner) | IBM, UniAndes, Alianza Caoba |
| 2015 | IT Innovation Contest (Second Place) | Los Andes University |
| 2012 | Summa Cum Laude | Gimnasio Vermont |