Meili Vanegas-Hernandez

interests

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

contact

Bogota, Colombia
+57 (318) 489 2536
meilivh8@gmail.com
mvanegas10.github.io

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

02.2019 — **STEER DAVIES & GLEAVE** — Bogota, Colombia
Consultant
Participating in transit projects such as the 2019 Bogota's Mobility Survey, from which the next transit model of the city will be built.
I developed a visual analytics tool that allows the specialists to easily detect outliers in transit information.

07.2017 – 05.2018 — **Computer Graphics & HCI Group at TUK** — Kaiserslautern, Germany
Research Assistant
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.

01.2017 – 07.2017 — **ALIANZA CAOBA** — Bogota, Colombia
Research Assistant
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 decreased development time in 50% by proposing modular-based programming and reusable components.

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.

education

08.2017 – 05.2018 — **M.Sc. Systems and Computing Engineering** — Technische Universität Kaiserslautern
Emphasis in Applied Computing
(International Exchange Program)

01.2017 – 05.2018 — **M.Sc. Systems and Computing Engineering** — Los Andes University
Emphasis in Applied Computing
[GPA 4.30]

08.2012 – 12.2016 — **B.Sc. Systems and Computing Engineering** — Los Andes University
[GPA 4.08]

07.2010 – 05.2012 — **IB.** Diploma Programme — Gimnasio Vermont
[IB Score 27]

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