


Juan Carlos Rosito Cuellar


Data Scientist

 (39) 328 347 3097

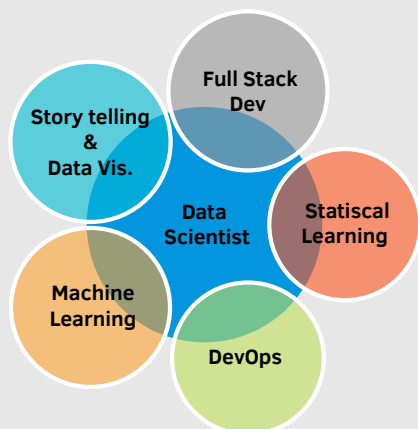
 [jcrs.github.io](https://github.com/jcrs)

 j.rositocuellar@campus.unimib.it

 [/in/jcrc](https://in.linkedin.com/in/jcrc)

 Spanish, English, Italian

Technical Skills — Overview



Programming

0 LOC —————> 5000 LOC

Python • R • SQL

SAS • KAFKA • \LaTeX • Knime • HTML

C++ • Scala • php • JavaScript

Education —

MSc., Data Science (GPA: 3.5)

University of Milano-Bicocca

2017 - 2019 (On Course) | Milan, Italy

Engr., Electronic Engineering (GPA: 3.7)

University of Del Valle of Guatemala

2016 - 2017 | Guatemala, Guatemala

BEng., Electronic Engineering (GPA: 3.5)

University of Del Valle of Guatemala

2010 - 2014 | Guatemala, Guatemala

Experience

Jul 2017 -
Apr 2018

Full-Stack Developer

O+M Plus Co-op With [Tigo Guatemala](#)

Android and Web application - Project

- Google Maps and FireBase Crashlytics platforms integration
- Backend on Android with SQLite(Standard Query Language), Retrofit and Volley implementation
- Backend on Server with LAMP(Linux Apache MySQL PHP) Platform
- Compass, camera, geo-localization and another sensors implementation

Jul 2017 -
Apr 2018

Software Developer

O+M Plus Co-op With [Samsung](#)

Product positioning - Project

- Integration of Autocad planes to be visualized in Samsung Gear VR with the Unity platform
- AR(Augmented Reality) and VR(Virtual Reality) generated with Unity and Vuforia
- Integration of stereoscopic videos visualized in Samsung Gear VR
- IoT(Internet of Things) prototype Execution, focused on Domotics

Jul 2016 -
Feb 2017

Engr. Candidate, Graduate Research

[University of Del Valle of Guatemala](#)

Thesis: Optimization tool to improve coverage by providing physical parameters on RBS(Radio Base Station) in WCDMA(3G-telecommunications)

- Data Collection from UE(User Equipment) with an Android app.
- Decision models Calculations and physical computations in Python.
- Coverage predictions using Okumura Hata with an Andrew antenna Radiation Pattern.
- Applications of the Standard WGS-84 at geodesic and geocentric calculations, involving Spherical and Cartesian coordinates.
- Using Multicriteria decision making (MCDM) Optimization Mathematical Model to provide an efficient ratio on signaling and interference on RAN(Radio Access Network).

May 2015 -
Jul 2016

Radio-Frequency Optimization Engineer

[Telefonica Movistar Guatemala](#)

- Responsible of RAN Quality of Service and monitoring, solving co/adj-channel interference and neighboring of 2G, 3G y LTE.
- BI (Business Intelligence) statistical manipulation and analysis.
- Radio Network design and coverage prediction with Wizard and ATOLL, changing physical and logical parameters.
- Transmission equipment knowledge (Radio Links and Fiber Optic, Coriant) and RBS commissioning and integration (E// Equipment).
- Deep Knowledge of GSM, UMTS, and LTE Ericsson Networks. Modulation Schemes (BSPK, QPSK, 16QAM, 64QAM), Multiplexing and radio access technologies (FDMA, CDMA, TDMA, OFDMA, SC-OFDMA).

Certifications

2018

SAS - Certified Predictive Modeler Using SAS Enterprise Miner 14

- Methods for Unsupervised Dimension Reduction, PCA and clustering, and Supervised Dimension Reduction as LAR/LASSO for High dimensional data
- Methods for Nominal Variable Selection and Model Assessment
- Advanced Predictive Models
- Multiple Target Prediction

References

- [Pietro Giorgio Lovaglio](#) - Economic statistician @ Universita' di Milano-Bicocca
- [Alejandro Gandara](#) - RF Consultor @ Astellia Spain
- [Mario Yan](#) - Network Optimization @ Telefonica Guatemala