

Mario Humberto Becerra Contreras

Curriculum vitae

CONTACT

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ABOUT ME

I'm an Applied Mathematician (BSc) and I'm currently pursuing my master's degree in Computer Science. My main interests are data science, data mining, statistical modeling, predictive analytics, data visualization and machine learning. I enjoy solving problems in an analytical and logical way; and, especially, using data in order to obtain useful information.

SKILLS

Programming languages and other technologies

R, MATLAB, SQL, Python, git, \LaTeX , Linux, Unix, Bash, C, C++, Java, Apache Spark, Apache Hadoop, Apache Hive

Statistics

Linear regression, model validation, Generalized Linear Models, multivariate statistics, principal component analysis, correspondence analysis, geostatistics/spatial statistics, simulation, Bayesian networks, Bayesian statistics, Hidden Markov Models, clustering, hierarchical models

Machine Learning and Data Mining

Random Forest, support vector machines, recommender systems, market basket analysis, association rules, Natural Language Processing, text mining, social network analysis, image processing, neural networks

Other

Linear programming, constrained and unconstrained numerical optimization, analysis of algorithms, business intelligence, finance, compiler design, distributed systems, computer architecture

LANGUAGES

SPANISH Native
ENGLISH Highly fluent, almost native

EDUCATION

2015
Instituto Tecnológico Autónomo de México (ITAM)
Applied Mathematics B.Sc.

Elective courses from statistics, computer science and finance fields.

PRESENT DAY
Instituto Tecnológico Autónomo de México (ITAM)
Computer Science M.Sc.

Expected completion: December 2017.

Note: Took 8 out of 12 courses offered in the Data Science master program at ITAM.

WORK EXPERIENCE

SEPTEMBER 2017 - PRESENT DAY
Data scientist
Business Data Evolution
Data science consulting company.

MAY 2016 - JUNE 2017
Data scientist
CAD Salud
Data science projects aimed toward health problems, such as prevention, detection, diagnosis and treatment of diseases for population.

OCTOBER 2015 - MAY 2016
R&D Analyst
MetronHomo, Grupo Salinas
Market research consulting projects involving data mining, statistics and machine learning.

JUNE 2015 - AUGUST 2015
Junior Analyst
Revenue Management, Best Day
Summer project involving customer analysis and market segmentation using multivariate statistics techniques.

JUNE 2014 - JUNE 2015
Data analyst
Computer Research and Analysis Laboratory, ITAM
Machine learning application in Natural Language Processing for automation in news consultation for media monitoring company. In particular, automatic news classification.