

Mario Humberto Becerra Contreras

Curriculum vitae

CONTACT

Location: Mexico City, Mexico
Phone number: +52 55 1513 0162
Email: mariob.c@hotmail.com
Github: <https://github.com/mariobecerra>
Webpage: mariobecerra.github.io
LinkedIn:
<http://mx.linkedin.com/in/mariobecerracontreras>

ABOUT ME

I am an active, open, flexible and versatile worker. I have leadership and teamwork skills, and I can adapt to functions I have no previous experience in. I am, in general, a responsible, honest, disciplined and engaged person who likes things well done.

I enjoy solving problems in an analytical and logical way; and, especially, using data in order to obtain useful information that, at first hand, may not be obvious or intuitive.

WORK EXPERIENCE

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 Mining, NLP, data analysis

Computer Research and Analysis Laboratory, ITAM

Machine learning, data mining and statistics application in Natural Language Processing for automation in news consultation for media monitoring company. In particular, Named Entity Recognition, news classification and sentiment analysis.

DECEMBER 2013 – JUNE 2014

Global Banking and Markets Intern

HSBC, Mexico

Financial products pricing, financial products analysis, Excel spreadsheets creation for statistical analysis.

EDUCATION

2010 – PRESENT

Instituto Tecnológico Autónomo de México (ITAM)

Applied Mathematics

Thesis under development; expected graduation on December 2015.

Elective courses from statistics, computer science and finance fields. Some electives were part of the Data Science MSc program and Computer Science MSc program.

SKILLS

Programming and computers

R, MATLAB, SQL, Python, SPSS, ~~W~~EX, Java, Visual Basic, Linux, Bash, C#, Github, Microsoft Visual Studio, Microsoft Excel

Statistics

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

Machine Learning

Random Forest, ExtRa Trees, neural networks, support vector machines, recommender systems, market basket analysis

Finance

Interest rates, financial derivatives, fixed income products, structured finance, Bloomberg terminal

Other

Data Mining, Natural Language Processing, image processing, text mining, linear programming and optimization, business intelligence, social network analysis

LANGUAGES

SPANISH Native

ENGLISH Advanced (TOEFL: 657)