

# MAURICIO QUIROZ FLORES

## DATA SCIENTIST

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Finding new ways and ideas to leverage the concept "Data as an asset", the advent of new tools and use them to make sense of a sea of data along with an holistic vision make me a professional with the ability to bring context to information.

## EDUCATION

**Monterrey Institute of Technology and Higher Education**  
B.S Digital Systems and Robotics Engineering, Information Technology  
2015

**ITESM and AutoUni with Volkswagen**  
IT Security and Data Privacy, Information Technology 2015

## PROJECTS

**Deep Learning, NLP** Nov 2017 to Feb 2018

Text Classification - Develop a multichannel convolutional neural network for sentiment prediction on text movie review data.

Language Modeling - Create a word-based language model using a word embedding and a recurrent neural network.

Image Captioning - Craft a neural image caption generation model to yield a textual description of a given photograph.

Machine Translation - Implement a neural machine translation system for translating German phrases to English.

**Machine Learning** Aug 2016 to Jul 2017

Car Aesthetics Analysis - Creation of a regression model that predicts the test time for each car configuration in the production line.

Modeling Business Analytics - Building a classification model capable of discriminating against new startups.

Research Business Analytics - Evaluate and analyze characteristics of new startups, feature extraction for being able to invest in a safer way.

Sales Analysis - Craft a prediction model for the sales of a wide selection of products from a food chain.

## SKILLS

**PROGRAMMING SKILLS:** Python, TensorFlow, Keras, R

## EMPLOYMENT

**ITESM** Puebla, Mexico  
Math Teacher Feb 2015 to Nov 2015  
- Teach at high school level math courses through an online platform.

## AWARDS

**ITESM · Talent Scholarship** Jul 2010  
70% scholarship for the entire career thanks to the Academic Talent Scholarship

## ACTIVITIES

**ISD career board member · Vice-president** 2011 to 2012

**ISD career board member · General Coordinator** 2012 to 2013

**Creation of the R-Troniks Congress · General Coordinator**  
Marketing, rising funds, seeking sponsors, event host.