Misael Manjarres Hurtado

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PROFESSIONAL SUMMARY

Creative, resourceful data scientist with diverse experience and skills that combine excellent communication, business acumen, and technical knowledge able to tackle business challenges with cutting edge Big Data technology.

Skills and Tools

Tools

- Python
- R
- SQL
- MongoDB
- Neo4J
- Hadoop
- Django
- Spark
- Linux
- Amazon Web Services
- Google Compute
- Google Analytics
- Tableau
- HTML
- HBase

Skills

- Natural Language Processing
- Recommendation Engines
- Exploratory Stat. Analysis
- Hypothesis Testing
- Machine Learning
- Time Series Forecasting
- Web Scraping
- Graph Analysis
- Data Visualization
- Data Preparation
- Algorithm Development
- Stream Processing

ACADEMIC BIG DATA/ANALYTICS WORK

Hotel Vacation Package Planning Application

- Developed web scraper to gather data from tourism review website
- Developed API integration scripts for social media and Expedia to gather their data
- Developed text sentiment analysis model. This included:
  - Developing NLP pipeline script (tokenizing, Part of speech tagging etc.)
  - Developing heuristic sentiment detection model
  - Developing machine learning sentiment detection model (Created benchmarking script that test various ML algorithms for performance. Random Forest had best performance)
  - Developing topic specific sentiment detection model using linguistic dependency parsing
- Developed tourist clustering script that clustered tourists by their travel preferences, demographic data, and past locations visited
- Performed graph analysis of hotels, the tourists that stay there, and the attractions they visit Demo video of application available

E-commerce Company Consumer Loyalty Prediction

Data set 15 Billion rows of customer data

- Developed data preparation script (aggregation, data frame formatting etc.)
- Executed "feature engineering" to create variables that had strong predictive power
- Developed model using machine learning techniques

Fraud Detection- Spanish Bank

Developed model using machine learning techniques Spanish Bank provided credit data with 98 variables with the goal of detecting fraud and defaults

- Performed exploratory statistical analysis
- Created variable selection algorithm to select most relevant/discriminating variables
- Created a model to detect fraud using logistic regression and decision tree algorithms

PROFESSIONAL EXPERIENCE

Accenture — **New York**
Technology Consultant — October 2009 - September 2014

Managed end to end workplace technology solutions deployment in the pharma, banking, and insurance industries including desktop platform deployment, network transformations, and application hosting server migrations.

- Worked closely with business management to develop workplace technology strategy
- Gathered requirements for solutions deployment projects
- Worked closely with business management to select appropriate vendors and solutions
- Created end to end solutions deployment project plan that included technology development, deployment execution, end user training, and post deployment activities
- Designed solutions deployment process minimizing end use intrusiveness as many times their individual laptops where being handled
- Managed the deployment of the developed solutions following the created project plans. Projects included global deployments to populations of over 30,000 users across North America, Latin America, and Europe
- Developed training curriculum for end user during change management planning
- Interacted with and reported project metrics to middle and high level management on daily basis
- Performed on site troubleshooting of technologies at client sites across the US, Spain, and Latin America when critical issues arose
- Acted as liaison between IT teams and business management
- Created metrics dashboards and PowerPoint presentations that were delivered to upper level management on a regular basis

EDUCATION

IE University	Madrid, Spain	University of Connecticut	Storrs, USA
MS Master in Analytics and Big Data	October 2014 - July 2015	BSE, BA Material Science Eng., Economics	August 2005 - May 2009

IE University — MS Master in Analytics and Big Data
- GPA: 3.3
- Big Data and Innovation Club Events Coordinator
- MBD Program Ambassador

University of Connecticut — BSE, BA Material Science Eng., Economics
- Material Science GPA: 3.2
- Economics GPA: 3.7