Yesika Contreras Duarte

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EDUCATION

University of Illinois at Chicago *Chicago, USA*
Master of Science, Business Analytics, GPA: 3.8/4.0

Universidad Industrial de Santander *Bucaramanga, Colombia*
Bachelor of Science, Industrial Engineering, GPA: 4.1/5.0

SKILLS

- **Numerical analyses and data mining:** Python: Pandas and Numpy, Excel, R
- **Modeling:** Supervised and supervised machine learning techniques, scikit- learn
- **Dashboards and visualizations:** Tableau, google sheets, Maplotlib, seaborn, ggplot
- **Relational Database:** SQL server

EXPERIENCE

Wayfair, Boston – *Global Trade Compliance Analyst COOP*
JANUARY 2020 - JULY 2020

- Improved contract accessibility for the International Supply Chain group through the generation of a visualization tool in Google Sheets using sql queries to automatically update a dashboard.
- Used a combination of SQL server queries and python to extract and clean transactional data of the products entering Canada, which was used to determine the adjustments of duty declarations requested by the Canada Border Services Agency.

TrueMotion, Boston – *Crash Data Analyst (Contract)*
JULY 2019 - DECEMBER 2019

- Increased car crash labeling using telematics data including GPS, accelerators, and other sensor information by cutting average labeling time in half by uncovering patterns in crash data characteristics. For example, by analyzing speed at impact, maximum deceleration, and window time.

Wellington Management, Boston – *Content Analyst (Contract)*
MAY 2019 - JULY 2019

- Proactively addressed data anomalies in the documentation of the marketing area through a data migration process to Qvidian as the central repository by updating 90% of the questionnaires and reports, providing methods to automate the process, and identifying variances in records, all represented in a weekly performance report.

BMO Harris Bank, Chicago – *Credit Risk Analyst (Contract)*
SEPTEMBER 2018 - FEBRUARY 2019

- Built a new credit risk model to predict loan default and credit adjudication for personal loans and reducing the current error rate by 2%, by applying multiple machine learning Algorithms including, Random Forests, Neural Networks, Boosted Trees, and XGBoost classifier using python and R.

ADDITIONAL

Technical: Practicum by Yandex — Data Science Bootcamp
Languages: Spanish, English
Side projects: Brigham and Women's Hospital, Boston — Project: Tissue-resident memory cell gene signature.
JANUARY 2020 - MAY 2020
Determined the best candidates for a targeted CRISPR library by performing cluster analysis on expressed genes in tissue-resident memory T cells and tumor- infiltrating lymphocytes obtained by grouping multiple gene arrays and RNASeq data from the NCBI Gene Expression Omnibus repository.