

ALONSO GUTIERREZ

MATHEMATICS STUDENT

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EDUCATION

B.S. Mathematics (Specialization in Engineering and Physics)

University of Central Florida

August 2019 – 2021 (Ongoing)

A.A. Biomedical Engineering

Florida International University

August 2012 – 2010

EXPERIENCE

Data Analyst Freelancer

Ongoing

PROJECTS

Data Wrangling OpenStreetMap

Independent

March 2017

- Cleaned and processed OSM data with Python
- Created an executable that imported data from XML to a sqlite3 database.

ML-Language Processing Enron Debacle Data

Independent

May 2017

- Interpretation of the Enron scandal based on the companies' email data dumps publicized after the commercial-titan's fall.
- Utilizing Python 2.7's natural language toolkit (nltk) module, along with tf-idf technique for vocabulary pre-processing.
- Enhanced search ML classifier algorithms for machine learning, along with the primary component analysis, stratified data shuffling, grid-searching and score-based model-selection.

Analysis with R and Rstudio

Independent

May 2017

- Auditing and cleaning of bank loan data for exploratory purposes in loan fraud.
- Use of R and Rstudio for descriptive visualizations and simple statistics of this data's features.

CERTIFICATIONS

Certification in Data Analytics

Udacity

December 2017

Certificate Link

MY LIFE PHILOSOPHY

"No problem is too large after breaking it down, and no mind too wide for any problem."

SKILLS

Data Cleaning

Data Analysis

GUI Based Database Acumen

Microsoft Office

Python 2.7/3.6

R

SQLite

SQL

NoSQL

Git

Javascript

HTML/CSS/XML/JSON

Pandas

Numpy

Sklearn

Matplotlib

Rstudio

d3.js/dimple.js

Github

Jupyter Notebook

Google Cloud Platform

LANGUAGES

English

Reading/Writing



Spanish

Reading/Writing

