

[Alonso Gutierrez]

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| [Github](#) | [Linkedin](#)

Technical Skills

Languages: Python 2.7/3.6, R, Sqlite, NoSQL, Git, JavaScript, HTML/CSS/XML/JSON
Frameworks/Libraries: : Pandas, Numpy, Sklearn, Matplotlib, Zipline, d3.js, dimple.js.
Other: RStudio, GitHub, Jupyter Notebook, Quantopian, MongoDB, Google Cloud Platform.

Project Experience

[Data Wrangling OpenStreetMap] [\[Link\]](#) [March 2017]

- Cleaning and processing of OSM data with Python 2.7's xml.etree, sqlite3 and regex modules.
- Deploying custom terminal interface to ease transition of top elements in data from XML format to an sqlite3 protocol database.

[ML-Language Processing Enron Debacle Data] [\[Link\]](#)[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] [\[Link\]](#)[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.

**More projects are available to preview on my sit.*

Education

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| • Bachelor's in Mathematics at UCF | BS August 2019 – 2021 (ongoing) |
| • Data Analyst Nanodegree at Udacity | Online Certification June 2017 – December 2017 |
| • Associates in Arts at FIU | AA August 2012 – 2014 |

Work Experience

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| • Data Analyst Freelancer | Present |
| • Surgery Scope Technician | Proendoscopy, LLC., Sunrise FL, U.S. December 2015-2018 |