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# Raul Maldonado

[Github](#)

[LinkedIn](#)

[Blog](#)

## Education

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Data Analyst Nanodegree | August 2017 | Udacity

B.S. Applied Mathematics w/Economics Minor | 2016 | University of California, Davis

## Technical Skills

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**Languages:** SQL, Git, R, and Python, JSON, JavaScript, XML

**Analytic Tools:** Tableau Desktop, Anaconda, Jupyter Notebook, Git, LATEX, Microsoft Excel, R

## Project Experience

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**Flight Data Exploratory Data Analysis-** [Repository Link](#) | September 2017

- Data Cleaning and preparation for analysis in Dimple.js/D3.js
- Provided advanced visualization for 2006-2010 flight data interpretation

**OpenStreetMap Data Wrangling-** [Repository Link](#) | June 2017

- Extracted JSON data from geographic data API provider OpenStreetMap.org in Python
- Implemented several libraries for JSON conversion and validation.
- Cleaned and Validated 10,000+ dataset for database migration in SQL exploratory analysis

**Perceptual Analysis -** [Repository Link](#) | May 2017

- Performed Chi Square testing to determine the existence of dependency.
- Determined the existence of the Stroop Effect from a sample set of 25 participants

## Professional Experience

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**Data Analyst, Entry Level (Contract) | MobileIron | August 2017 – Present**

- Data audit 10,000+ Sales team transactions for data migration
- Data transformation and migration of legendary dataset to new system
- Assist in facilitation for User Assessment Testing experience of 20+ participants

**Mentor | Udacity | September 2017 – Present**

- Empowering future analysts with data-centric and motivational resources
- Ensure best practices in Microsoft Excel, Data Cleaning, and SQL for analysis
- Provide insight into Descriptive Statistics, Tableau visualizations, and the above to 40+ Udacity students

**Data Analytics Substitute Teaching Assistant | UC Berkeley Extension | June 2017 – Current**

- Assist in lecture logistics in Github, Gitlab, and Google Suite software
- Resolve data analytics questions in MySQL, Python, Excel, and Statistics for 25+ students

**Collections Support Analyst | Square Capital, LLC at Square | January 2017 – April 2017**

- Initiated outbound 30+ phone calls/day to past due merchants; record in Salesforce and Excel
- Streamlined analysis report process using Excel Vlookup, Functions, Pivot Table, and many more.

## Certificates

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- Salesforce Certified Administrator | December 2017 | Salesforce
- Data Analyst Track | May 2017 | DataQuest.io
- Python for Data Science and Machine Learning Bootcamp by Jose Portilla | May 2017 | Udemy.com

## Activities

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**Core Volunteer | Datakind, SF | November 2016-Present**

- Managed two 65 person workshop for 4 non-profit organizations to advance their mission in data.
- Social Media Coordinator co-lead | March 2017
- Assisted in the development of an analysis in three 3-day long DataDive with Non-Profit data