

# Jorge J. Riera

github.com/jorgeriera • linkedin.com/in/jjriera • jorgejriera.com

## SUMMARY

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Data analyst with a passion for discovering trends and developing business intelligence tools. Enjoys collaborating with teams to identify problems and deliver creative solutions.

## SKILLS

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**Programming Languages:** Python, R, SQL, LookML

**Packages:** numpy, pandas, scikit-learn, seaborn, dplyr, ggplot2

**Other Software:** Excel, Tableau, Looker, Hadoop, Git/GitHub

**Languages:** Native proficiency in Spanish; Basic proficiency in Portuguese

## EXPERIENCE

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### UPWORK CORPORATE

Remote | Feb 2018 – Present

#### Data Analyst

- Accelerated bottom-line growth by creating a PayPal payment dashboard that identified transaction processing issues amounting to \$12 million in lost revenue.
- Analyzed client make-offer page data and determined that issues in the user interface of adding payment methods were reducing customer conversions by 15%.
- Explored the company's database for transactional data and created visualizations highlighting trends in the company's KPI's.

### COLUMBIA PARTNERS INVESTMENT MANAGEMENT LLC

Chevy Chase, MD | July 2015 – July 2017

#### Equity Trader

- Designed a quantitative analysis tool for the hedge fund portfolio that allowed the trading desk to make real-time investment decisions, effectively reducing errors and increasing firm profits.
- Supported the equity research team by modeling the financial performance of target companies and drafting research reports which guided the investment strategies of portfolio managers.
- Optimized pre and post market workflow by 50% by developing scripts that automated routine tasks, thus significantly reducing errors caused by improper inputs.
- Reduced inefficiencies in the process of inputting option assignments by designing an application that automatically enters transactions into the company's database and alerts relevant parties, eliminating tasks previously handled by three employees.

## PROJECTS

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### FRAUD IDENTIFICATION FROM ENRON EMAIL AND FINANCIAL DATA

- Developed a machine learning algorithm to identify Enron insiders who may have committed fraud based on a public dataset containing Enron employee emails and financial records.
- Deployed an AdaBoost classifier using scikit-learn and used GridSearchCV to fine tune parameters.
- Optimized the classifier by using SelectKBest to identify the best features available from the dataset.

### OPENSTREETMAP DATA WRANGLING

- Used data munging techniques to assess the quality of open source map data for validity, accuracy, completeness, consistency and uniformity.
- Standardized values in the dataset through custom Python scripts in order to create a functional SQL database.
- Queried database to gain insights about map contributions in order to identify sources of inconsistencies.

## EDUCATION

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UDACITY - Data Analyst Nanodegree

Online | Aug. 2017

THE GEORGE WASHINGTON UNIVERSITY - B.B.A., Finance Concentration

Washington, DC | May 2015

UNIVERSIDAD AUTONOMA DE MADRID - Study Abroad

Madrid, Spain | May 2014