

# josefina amaro

• senior data analyst •

## Contact Information & Webpage Links

**Portfolio** josefinaaureaamaro.github.io/  
Portfolio\_Website/static/index.html  
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## Projects Links & Descriptions

### Machine Learning Project

Group Project: 5 Members Span: 1.5 weeks  
**Scikit-learn | Python | Tableau | Web Design**  
Statistical data cleaning, analysis & online of the effective results for ML models. Reviewed models from multivariate linear regression to principal component analysis.

### JavaScript Heroku Dashboard

Group Project: 4 Members Span: 1.5 weeks  
**Heroku | Plotly.js | JavaScript | Python | Flask | SQLAlchemy | PostgreSQL**  
Heroku Dashboard, data via API containing Plotly.js Chart with dynamic data display per drop down menu.

### PostgreSQL Database ETL

Group Project: 2 Members Span: 3 days  
**Data Cleaning | Python | SQLite PostgreSQL | ETL Diagrams**  
From CSV, filtered, categorized, and properly organized data to be imported into a PostgreSQL database.

### Python Data Analysis & Visualizations

Group Project: 4 Members Span: 1.5 weeks  
**Data Cleaning | Python | Plotly | Matplotlib**  
Created presentation from World Bank Dataset on global air pollution levels correlation GDP. Visualizations created using Plotly & Matplotlib.

*Smaller projects listed on Portfolio*

## Skills

Languages: **Python & Javascript**  
Data Storage: **SQL (PostgreSQL), NoSQL (MongoDB) & API (JSON)**  
Cloud Data Storage: **AWS (s3)**  
Visualizations: **Matplotlib, Plotly.js, D3.js, Tableau & Leaflet.js**  
User Interface: **(BI) Business Intelligence Heroku, Flask, HTML & CSS**  
Microsoft Office: **Advanced Excel, Word & PowerPoint**

## Education

### Data Analytics Boot Camp

Columbia University New York, NY  
Graduated: 10/05/2019

### Non-Matriculated Science Courses

County College of Morris Randolph, NJ  
Calculus I & General Physics (+ Lab) Spring '18  
General Chemistry (+ Lab) Fall '18

### Bachelor of Science in Accounting

Montclair State University Montclair, NJ  
Graduated: 05/2016

## Experience

### Data Analyst & Senior Accountant

#### Flatworld Group - Amazon Platform Consulting

09/2018 - Present

- ➔ Developing Heroku Business Intelligence prototype, designed for a cross-functional third-party Amazon business, to grant user access to summarized datasets, recurring inventory projection reports & data-driven profitability performance analysis developed from Amazon Seller Central transaction data.
- ➔ The Business Intelligence prototype was developed by partnering up with department heads across finance, marketing & inventory management fields to pitch BI features
- ➔ Assessed potential data & business performance risks by formulating forecasts and actionable decision-making conclusions for optimization using understood quantitative & qualitative KPI metrics using statistical data models.
- ➔ Built algorithms to identify, predict, and adjust to sales & inventory trends
- ➔ Provided technical expertise & prioritized data cleaning, normalization, data integrity & security.
- ➔ Data management using PostgreSQL (SQL) database & ETL management for big data
- ➔ Reports were designed to suite a scalable environment & to be easily reconciled by the user.
- ➔ Trained end users on new reports, dashboard & communicated logic to team leads and executive staff.
- ➔ Prepared specifications, documentation & supplemental metadata for future analysts.
- ➔ Ad hoc special projects in a fast-paced environment to meet weekly deadlines

### Business Analyst | ECommerce Inventory Mgmt. | Senior Accountant

#### Telebrands (BulbHead.com)

10/2017 - 4/2019

- ➔ Lead business analysts for financial, sales, inventory, freight, & marketing departments.
- ➔ Project Manager & Lead for the Amazon Transparency Program, National Amazon E-Commerce Inventory & Amazon Japan Inventory Exportation.
- ➔ Prepared trend, forecast, and profitability analysis for monthly operation presentations to internal and external senior-level executives regarding growth and potential vendors
- ➔ Data mined, classified, structured, and reviewed data integrity from third-party vendors. Aggregated and organized the data to be prepared for further analysis.
- ➔ Created multi-departmental dashboards using Google Suite to communicate analysis in order to review project status & inventory KPIs.
- ➔ Discussed forecast variances with VP of marketplaces & advised on strategies for enhancing sales performance & inventory distribution
- ➔ Senior Accountant reported to CFO with monthly financial packages, lead meetings regarding quarterly reviews to company wide executives on E-Commerce business performance. Prepared supporting documents for internal & external audits.

### Financial Procurement Analyst

#### Party City Headquarters • Temp. Assignment •

7/2017 - 9/2017

- ➔ Created an Excel based Spend Analysis Dashboard for Procurement Director by developing a data taxonomy, key restructuring, data cleaning, & aggregating financial data from the accounting dept.
- ➔ Interactive Data Visualizations & Pivot Tables were made to respond to a multi-objective user
- ➔ Datasets & Visualizations were structured to adjust granularity, review historical spend, provide internal & external vendors details using pivot table filters.
- ➔ Documented steps and procedures for recreating analysis tool & outline tool's objectives

### Associate Project Financial Analyst

#### Tetra Tech • Temp to Hire Assignment •

4/2017 - 6/2017

- ➔ Assisted the Project Manager by preparing high-level project cost analysis including milestone tracking.
- ➔ Assisted the Cost Analyst with variance analysis, cash flow monitoring & invoicing.

### Senior Accountant

#### Sharon McCann & Associates

5/2015 - 12/2016

- ➔ Maintained the financial packages of 8 small to midsize companies
- ➔ Prepared financial trend analysis, maintained budgets & forecasts