

# HECTOR RODRIGUEZ JR

## Business Analyst

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### TECHNICAL SKILLS

Python | SQL | Tableau | Microsoft Power BI | Microsoft Excel  
Power Query | Power Pivot | Jupyter | VSCode | Pandas  
Data Science Libraries | Classification | Regression | Clustering  
Time Series | Machine Learning | Natural Language Processing

### PROFESSIONAL EXPERIENCE

Rodriguez Initiatives, LLC (Retail) Aug 2014 - Sep 2019  
Paulina's Gourmet Sandwich Shop, LLC (Retail) July 2017 - Sep 2019  
Hill Country Residential Services, LLC (Service). Sep 2019 - Current

#### Senior Management Analyst

Labor on Demand, San Antonio Metro Sep 2020- Dec 2020

- Developed and implemented new business process model closing identified gaps.
- Using Microsoft Office Suite created, implemented and report daily activities.
- Implemented SharePoint for collaboration, communications and sharing for internal and external agencies.
- Created excel dashboard reporting daily analytics embedded into SharePoint.

#### Senior Business Analyst

STI-Tech, Washington D.C. Sep 2017-Sep 2019

- Participated in Agile and waterfall project management and coordination.
- Provided Data management and analysis through use of Microsoft Excel, Power Pivot and Power BI.
- Communicated analysis reporting to executive and management leadership.
- Developed Data Management and Management Governance.
- Participated in the modernization, innovation and transformation of the Marine Corps Log IT Portfolio systems and applications.

#### Senior Business Analyst

WBB, Reston, VA Jan 2014-Sep 2014

- Identified problem areas, provided strategic solutions and recommendations through reporting tools to both executive leadership and management.
- Created, developed and reviewed analytical and statistical reporting.
- Analyzed, defined, aligned and updated business requirements.
- Business cost and operations analysis through gathered data analytics.
- Communicated, coordinated and managed key relationships.

### MILITARY EXPERIENCE

United States Marine Corps  
Communications Electronics Maintenance Supervisor  
Chief Warrant Officer 3 (E-1 to CWO3)  
Retired September 1994 - December 2014

### PROJECTS

Discovery Drugs Dec 2021  
Predict the effectiveness of chemical compounds used to pre-screen drugs before expensive and time-consuming lab experiments.

NLP Nov 2021  
Scraping data from GitHub repository README files, the goal is be to build a model that can predict what programming language a repository is, given the text of the README file.

Curriculum Logs Anomaly Detection Oct 2021  
Analyze curriculum logs for anomalies. Provide analysis on curriculum log use and activity.

Texas Motorcycle Accidents Oct 2021  
Analyze Texas motorcycle accidents between 2011 and 2021. Determine high accident areas throughout the state that ended in fatalities.

Time Series e2e Oct 2021  
Analyze the patterns in temperature over time using earth surface temperature data. Model Springfield, US patterns forecasting temperature 36 months into the future.

Zestimate Error Drivers. Sep 2021  
Continuing with the Zillow 2017 properties and predictions for single unit family homes I am looking for what is driving the errors in the Zestimates.

### EDUCATION

Codeup  
Data Science 2021  
Strayer University  
Master Business Administration Marketing. 2016  
Colorado Technical University  
Master of Science in Management IT Management 2009  
University of Phoenix  
Bachelor of Science in Information Technology 2007

### CERTIFICATIONS

Agile in the Government Environment  
Security +  
Net +