

Thomas Bacas

DATA SCIENTIST - FINANCIAL/BUSINESS ANALYST

PERSONAL PROFILE:

Using data driven insights, I help business leaders answer difficult questions by finding creative solutions. I traverse the line of traditional financial analytics with innovative data science tools.

HOW TO REACH ME:

Cell: (571) 230-4773
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Medium: @thomasbacas

CERTIFICATIONS

- AWS Cloud Practitioner

PROFESSIONAL SKILLS

- Data Wrangling
- Regression & Classification Analysis
- Visualization
- Data Engineering
- Front End Development
- Managing Clients
- Collaborative Development
- Developing on cloud
- Data Base Management
- Financial Modeling and Data Analysis
- Micro/Macro Economics
- Machine/Deep Learning
- Equity and Industry research
- Accounting

SCRIPTING LANGUAGES

Python, SQL, R, Java

WORK EXPERIENCE

Data Scientist / Business Analyst

Accenture Federal Services | Jan. 2020 to present

- Supported the Mail Entry and Payment Technology Organization within the United States Postal Service. Responsible for the systems that work with commercial mailers and shippers to support streamlined mail acceptance, while simultaneously assuring appropriate revenue is collected.
- Worked directly with senior management of the Postal Service to track performance and illustrated a company wide story of revenue gains through implementation of new system
 - Created ad hoc analytic products to assist in functional business decisions
 - Wrote custom scripting programs for finance team to streamlining data-mining
 - Assisted data science team in pipeline engineering and data cleaning.

Data Scientist

Red Oak Strategic | Feb. 2019 to Dec. 2019

- Worked independently and collaboratively to develop data science solutions for clients across several sectors including politics, finance and others.
- Used regression and classification modeling techniques for predicting market segmentation and voter turnout in political race for strategic positioning.
 - Performed variable pricing forecast for international energy trading firm.
 - Developed internal tools via Django web apps to improve analytic capabilities of team members. Reducing report generation times from 3 days to 2 hours.
 - Built data flow pipeline into AWS redshift, scheduled Lambda script functions to perform ETL. Optimized and managed database up to 1 TB of Scale
 - Developed data warehouse, dashboard and report generation products for wealth management client with AUM of \$2b.

Business Operations Analyst

Sartomer Arkema Group | Jun. 2017 to Aug. 2017

Financial Analyst

Aegis Financial Corp | May. 2016 to Aug. 2016

EDUCATIONAL TRAINING

Wofford College

2013-2017

Bachelor of Arts - Finance & Accounting

General Assembly Data Science Immersive Program

2018-2019

Graduated from a full-time data science immersive program focused on real-world applications of data science principles and best practices.

- Developed bond price predictions with neural networks and times series analysis.
- Working with New Light Technologies and FEMA, developed house damage valuations from Zillow.com for disaster impacted areas using API and GeoPandas.

ADDITIONAL RESOURCES

Github: github.com/tbacas

Medium Articles:

"Predicting Accurate Bond Prices with Neural Networks"

"Divorcing Excel — Why I do my analysis in Python"

CHARACTER REFERENCES

Scott Barbee

Managing Director, Aegis
Financial Corp
Cell: (703) 850-3854

Tim Crouch

Director of Regional Engagement,
Mercersburg Academy
Cell: (717) 360-8909