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SKILL SETS

LANGUAGES / TOOLS

- Python
- SAS
- R
- Tableau
- Data Robot
- Amazon Web Services (AWS)

TECHNIQUES

- Statistics and Regression
- Machine Learning / AI
- Clustering / Segmentation
- Time Series
- Natural Language Processing
- Converting SAS to Python

CLIENTS

BANKING / INSURANCE

- Flagstar / NYCB
- Toyota
- USAA
- Quadax
- Alkami/Segmint
- WEEL
- Behalf

HEALTH CARE

- AiZ Tech
- CVS / Aetna
- Convatec
- Artrya
- Behavr
- Next Level Health

RETAIL

- Federal Express
- Full Beauty Brands
- Bridgestone Tires
- QIMA / WQS

ECONOMIC

- Mitratesch

MANUFACTURING

- Terzo Power

ENTERTAINMENT

- Atlas Distribution

CURRENT PROJECTS

Mitrataech

Legal Expenses

2023 – Present

Calculated cost increases and inflation for legal bills over various industries in each state.

COMPLETED PROJECTS

Flagstar / NYCB

CECL / Stress Testing

2024 – Present

Ad Hoc models for in CECL and Stress Testing in SAS and R.

AiZ Tech

Clinical Data Analysis

2023 – 2024

Analysis of data to determine the efficacy of AI tool to diagnose Covid and Viruses using cell phone images of human eye.

Cleveland Analytics

Expert Witness - Securities

2023

Converted R code into Python code for use in Expert Witness analysis in securities fraud.

Amsive

Data Science Consulting

2023

Update SAS models for various customers. Convert SAS Code into Python using PySpark.

Alkami / Segmint

Banking

2022 – 2023

- Developed models for FinTec startup using Python incorporating corporation's proprietary Key Lifestyle Indicators (KLI). Models determined churn and lifetime value. Derived method for creating custom KLI's.
- Automated AI platform to develop predictive models using KLI indicator data.

Quadax
Health Insurance
2021 – 2023

Predictive models for health insurance claims processing startup company using Python. Determined probability that health insurance claims will be paid. Calculated reimbursement amounts and likely reason codes for rejection. Assisted in vetting analytic talent for Data Science positions. Mentored new Data Scientists in best practices in model development.

AIOI / Toyota
Auto Insurance
2022 - 2023

Predictive Models to determine driving risk. Utilized AWS and Python to assess risk from telematics driving data.

Artrya, Australian Based Cardiac Diagnosis Company
Health Care
2022 - 2023

System to diagnose heart disease from data obtained from calcium heart screenings.

CVS/Aetna
Health Care and Insurance
2022

Staff augmentation for general ad hoc analytics of mental health claims data.

Full Beauty Brands
Clothing Retail
2022

Customer retention and response model development for all retail lines. Models developed in SAS and Python.

Terzo Power
Industrial Analytics
2022

Analysis of sensor data from motors and pumps to forecast device failure. Project utilized Python and time series sensor data.

Behavr

Health Care Virtual Reality

2021 – 2021

Developed models in Python for virtual reality health care company. Determined probability of customer churn. Assisted in vetting analytic talent for Data Science positions. Mentored new Data Scientists in best practices in model development.

Convatec ,United Kingdom Based Wound Care)

Health Care

2021-2022

Statistical Analysis using SAS for medical study data related to wound care and infections. Developed deep learning neural network to diagnose melanoma from images.

Weel, Israel Based FinTec Startup Company

Credit Risk Scores

2021

Predictive models in Python for FinTec company to determine credit risk of Brazilian based companies.

Magellan

Health Insurance Claims

2021

General Analytics of Insurance Data

USAA

Insurance and Banking

2021

Updated SAS Code for financial stress testing analytics.

QIMA/WQS, Brazil Based Grocery Company

Grocery Retail

2020

Developed customer segments for WQS using purchasing behavior of Recenct, Frequent, and Money (RFM). Segments identified highly profitable segments and identified behavior consistent with customer churn.

Federal Express
Shipping and Transportation
2019 – 2021

Time Series models using SAS programming language and *SAS Forecast Server* to predict daily package pickups, expected delivery time, and net yield per package.

Behalf, Israel Based Credit Company
Credit Provider
2015 - 2016

Predictive models to determine credit risk and fraudulent transactions. Reviewed current models and mentored junior level analysts in proper analytic model development.

Bridgestone Tires
Retail Automotive
2015 - 2016

Customer segmentation / clustering model for use in assessing customer lifetime value, cross sell, and churn models.

Atlas Distribution Company
Motion Picture Producer
2014

Developed distribution plan for movie, *Atlas Shrugged III – Who Is John Galt?* Analyzed box office receipts of related movies. Identified patterns consistent with high levels of viewers. Analysis was used to determine theater release locations.

NextLevel Health Advisors
Health Care
2014

Converted mathematical formulas and EXCEL based programs into SAS programs for use in automated scoring of large claims database.