ROD MILLER

Data Science Enthusiast

CONTACT

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SKILLS

- Python
- R
- SQL
- Data Analysis/Visualization
- Machine Learning
- Excel

PROJECTS

• Python Web Scraper For Dynamic Content: Optimized for grabbing grocery store product and price info. Organizes data into an html file and sends email, all in the same script. Uses selenium and BeautifulSoup.

• Interactive R Shiny App: Map visualization of all Airbnb locations in Nashville, TN plotted against crime data that gives a summary for each property. Uses leaflet, R Shiny and Plotly.

• Active Dispatch Map for Nashville, TN: Utilizes the city's active dispatch API for real time crime locations and other incidents. Uses leaflet, R Shiny, mapbox, ggplot.

EDUCATION

DATA SCIENCE APPRENTICE

- Nashville Software School
  June 2022 - Present

BACHELOR OF SCIENCE

- Middle TN State University
  Murfreesboro, TN

PROFILE

E-commerce business owner with 10+ years of experience in maximizing both sales growth and customer satisfaction through an innovative and data-driven approach. My interest in problem solving has led me to seek a more in depth understanding of data science by mastering the various programming languages and software involved. I enjoy coding, visualizing and implementing strategies for effective results.

EXPERIENCE

DATA SCIENCE APPRENTICE

June 2022-Present

Nashville Software School, Nashville, TN
June 2022 - Present

- Gathered and cleaned data for exploratory data analysis using Python's *pandas* library and R's *tidyverse*.
- Created data visualizations using *matplotlib*, *seaborn*, *ggplot2* and *Plotly*
- Performed geospatial analysis and created interactive maps using *geopandas, folium* and *leaflet*
- Collected data through API integration and web scraping
- Experience with version control tools such as Git/GitHub
- Experience training machine learning models with *scikit-learn* and *PyCaret*
- Experience building interactive R Shiny applications

eCommerce Freelancer

2010-Present

Owner & Operator, Tennessee Textbooks, Nashville, TN
August 2010 - Present

- Manages online retail sales and shipping to customers nationwide
- Acquires, lists, and reprices inventory through Amazon Seller Central
- Responsible for email marketing to expand clientele
- Negotiates sales with clients and schedules meetings in person resulting in long lasting mutually beneficial business relationships
- Facilitates cold calls to win new clients in a professional, comfortable, and warm manner
- Oversees the process up updating wholesale price guides monthly in order to ensure the latest and most in demand inventory is kept in stock