HAYDEN GREER

DATA SCIENTIST

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ABOUT ME

As a Chemical Engineering graduate, I am eager to transition into data science and bring analytical and problem-solving skills to the table. Proficient in statistical analysis and data visualization with experience using Python, R, and SQL. Passionate about data science and driven to make a meaningful impact in the industry. Aiming to leverage technical skills and eagerness to learn as a valuable asset as a Data Scientist.

EDUCATION

Nashville Software School

Data Science Apprentice

2022 - Present

University of Tennessee (Knoxville)

Bachelor of Science
Chemical Engineering

2017 - 2021

SKILLS

Python	API
R	Excel/Sheets
Shiny	Statistics
SQL	PostgreSQL

EXPERIENCE

Data Science Apprentice

Sep 2022 - Present

Nashville Software School

Intensive part-time bootcamp focusing on data science fundamentals and problem solving. Used real-world datasets and included projects where findings were presented to stakeholders from the community.

- Wrangled data and performed exploratory data analysis using Python's pandas library and R's tidyverse packages
- Created data visualizations using matplotlib, seaborn, and ggplot2
- Performed geospatial analysis using geopandas and folium
- Gathered data through APIs and webscraping
- Retrieved and analyzed data using PostgreSQL and sqlalchemy
- Built and evaluated statistical and machine learning models using the scikit-learn and statsmodels libraries
- Applied natural language processing using the nltk and spaCy libraries
- Performed network analysis on graph data using Neo4j
- Built and deployed interactive data visualizations using the R Shiny library
- Source code version control with Git/GitHub
- Project management/tracking with GitHub project boards and issue tracking
- Interacted with AWS using the CLI and ssh

PROJECTS

Vanderbilt ACCRE

Used data given by Vanderbilt ACCRE to clean and explored scheduling trends for them. Then complied the results together and presented them back to the head of the ACCRE program.

NHL Home Ice advantage

Pulled data from 10 NHL seasons and developed an elo system to build a logistics regression model to determine if there is a statistical advantage to playing at home in the NHL.

Nashville Affordable Housing

Used data provided by Nashville department of housing to build a regression model to prove if affordable housing developments have a negative impact on the surrounding property. Pulled the findings into a presentation and reported them back to the head of affordable housing at the Nashville department of housing.