

Zach McPherson

Data Analyst

Contact

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About Me

I am a highly driven professional with a passion for solving complex problems. My diverse background, including hospitality and animatronics, allows me to solve problems through a creative lens. I am passionate about exploring datasets, collaboration, critical thinking while growing my skills further in a data analyst position.

Technical Skills

- SQL (PostgreSQL)
- Power BI
- Microsoft Excel (LOOKUPS, Pivot Tables)
- Power BI
- Data Analysis
- Kanban Boards
- Agile Methodology

Education

Nashville Software School
Data Analytics Bootcamp
Expected Graduation – April 2023

Data Experience

NASHVILLE SOFTWARE SCHOOL | JAN 2023 – PRESENT

Data Analyst Apprenticeship

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

- Analyzed data using Microsoft Excel, including utilizing pivot tables and lookups, and connected to external data sources using the PowerPivot add-on
- Built and deployed dashboards using Tableau and PowerBI
- Wrangled data and performed EDA using Python's pandas library
- Created data visualizations using *matplotlib* and *seaborn*
- Gathered data through APIs and webscraping
- Performed geospatial analysis using *geopandas* and *folium*
- Retrieved and analyzed data using PostgreSQL and sqlalchemy
- Source code version control with Git/GitHub
- Project management/tracking with GitHub project boards and issue tracking

PROJECTS

- **SQL** – [Lahman Baseball Project](#). In a team setting, did an EDA of the Lahman baseball database. This database consisted of over 20 tables of various statistics. Utilized: joins, CTE's, subqueries, and window functions.
- **Power Bi** – [Sales Pizza Challenge](#). Created multiple visualizations to explore revenue trends.
- **Tableau** – Used the Lahman Baseball database to create a unique story to analyze [MLB Salaries and Performance](#).

Work Experience

HOLLER DESIGN | APR 2022 – JAN 2023

Lead Metal Fabricator

- Built custom furniture based on client specifications
- On-site problem solving to reach client's expectations

ANIMAX DESIGNS | MAR 2020 – MAR 2022

Assembly Technician

- Provided prototypes and interactive presentations to senior leadership/clients
- Documented and analyzed weights to determine ergonomic efficiency
- Collaborated with multiple departments to achieve a finished product
- Lead a team of 3 through various projects to ensure a smooth hand over to the next department