Andrew Vick

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LinkedIn: https://www.linkedin.com/in/andrew-m-vick | Portfolio:
https://github.com/andrew-m-vick/portfolio | GitHub: https://github.com/andrew-m-vick

Data-savvy professional with a passion for uncovering insights from complex datasets and translating them into actionable strategies. Proven skills in Python, SQL, and data visualization tools, coupled with a strong track record of utilizing data to drive business growth and improve operational efficiency.

TECHNICAL SKILLS

Github, VBA, Data Visualization, Python, API Interactions, SQL, NoSQL, SQLAlchemy, MongoDB, MySQL, JavaScript, Pandas, Jupyter, ETL, HTML, CSS, Bootstrap, Leaflet, Tableau, PySpark

PROJECTS

Film Industry Analysis | https://github.com/andrew-m-vick/project-1-group-18 | Analysis

- **Summary:** Applied Python expertise to dissect film industry data, revealing box office trends and key performance indicators for genres, distributors, and budget impact.
- **Role:** Spearheaded the development and application of regression models to uncover the relationship between budget and profit across various film genres.
- **Tools:** Python, Pandas, matplotlib, Jupyter Notebook

Crowdfunding ETL | https://github.com/andrew-m-vick/Crowdfunding_ETL | Analysis

- **Summary:** Utilized SQL to design a relational database, extract and transform raw data, and perform insightful analysis patterns and trends in crowdfunding campaigns.
- **Role:** Drove the analysis of the crowdfunding database, utilizing SQL for data extraction and transformation, and crafting insightful visualizations to uncover key trends and patterns that can inform strategic decision-making.
- **Tools:** SQL, PostgresSQL, Pandas, Numpy, matplotlib, Jupyter Notebook, QuickDBD

Air Quality Web App | https://github.com/andrew-m-vick/project-3-group-08 | Web App

- **Summary:** Developed an interactive web application to visualize global air quality data, raising awareness of pollution's impact through dynamic maps and charts.
- **Role:** Led the development of the interactive map, the centerpiece of the web application, enabling users to explore and visualize global air quality data in an intuitive and impactful manner.
- **Tools:** Python, Flask, SQL, SQLite, JavaScript, HTML, CSS, pgAdmin, VS Code, Jupyter Notebook

Citibike Ridership Analysis | https://github.com/andrew-m-vick/tableau_citibike_2023 | Tableau Story

- **Summary:** Created an interactive Tableau story to visualize and analyze Citibike ridership patterns in 2023, uncovering key insights into seasonal trends, commuting behaviors, station popularity, and geographic distribution.
- **Role:** Developed the entire Tableau story, including data cleaning, visualization design, and interactive features to enable exploration of ridership data.
- **Tools:** Tableau

EXPERIENCE

Morningside Thai Restaurant Houston, TX

- **Waiter** (2014-2015)
  - **Collected and organized data:** Accurately recorded customer orders and preferences, ensuring integrity for efficient kitchen operations.
  - **Analyzed customer behavior patterns:** Identified trends in popular dishes and peak dining times, contributing to optimized staffing and inventory management

Morningside Thai Restaurant Houston, TX

- **Manager** (2015-2017, 2020-2024)
  - **Utilized data for process improvement:** Tracked and analyzed key performance indicators (KPIs) such as table turnover rates and customer feedback, implementing data-driven strategies to enhance the dining experience.
  - **Developed data-driven training programs:** Created and refined training materials based on performance metrics and customer satisfaction data, ensuring consistent service quality.

Zabs Asian Bistro Houston, TX

- **Owner** (2018-2020)
  - **Leveraged data for business insights:** Monitored sales data, customer reviews, and operational costs to identify areas for improvement and inform strategic decision-making.
  - **Implemented data-driven marketing strategies:** Utilized customer demographic data and online engagement metrics to target marketing efforts and promotions effectively.
  - **Inventory Management:** Analyzing inventory levels and usage patterns to optimize stock levels, reduce waste, and ensure efficient supply chain management.
  - **Menu Optimization:** Evaluating menu item popularity and profitability to make data-driven decisions on pricing and menu offerings.

EDUCATION

Certificate, Data Analytics & Visualization – Rice University Houston, TX