

# 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](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, PostgreSQL, 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](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