

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

Project 1 | <https://github.com/andrew-m-vick/project-1-group-18>

- **Summary:** Applied Python expertise to dissect film industry data, revealing box office trends and key performance indicators for genres, distributors, and budget impact.
- **Role:** Contributed to a collaborative effort to analyze a movie dataset using Python, pinpointing the most profitable genres, evaluating distributor success, and assessing how budget affects profitability.
- **Tools:** Python, Pandas, matplotlib, Jupyter Notebook

Project 2 | https://github.com/andrew-m-vick/Crowdfunding_ETL

- **Summary:** Utilized SQL to design a relational database, extract and transform raw data, and perform insightful analysis patterns and trends in crowdfunding campaigns.
- **Role:** Led the design and implementation of a crowdfunding database, extracting, transforming, and loading data using SQL, and uncovering crucial trends to inform decision-making.
- **Tools:** SQL, PostgreSQL, Pandas, Numpy, matplotlib, Jupyter Notebook, QuickDBD

Project 3 | <https://github.com/andrew-m-vick/project-3-group-08> | <https://andrewvick.pythonanywhere.com>

- **Summary:** Developed an interactive web application to visualize global air quality data, raising awareness of pollution's impact through dynamic maps and charts.
- **Role:** Collaborated to transform complex air quality data into a user-friendly web application, featuring interactive visualizations to highlight pollution trends and potential health consequences.
- **Tools:** Python, Flask, SQL, SQLite, JavaScript, HTML, CSS, pgAdmin, VS Code, Jupyter Notebook

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