

# ASPEN JACK

Phoenix, AZ

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## Summary

Strategic, goal-oriented Data Analyst focused on utilizing 3 years of experience in data collection and response in a long-term role that fosters growth and development. Well-rounded professional who has been consistently recognized as a top performer in roles responsible for data-driven decision-making, complex problem solving, and high-stakes attention to detail. Strong background in innovation, critical thinking, and collaboration and communication within and across teams.

## Technical Skills

**Languages:** Python, VBA, SQL, JavaScript, HTML, CSS

**Tools:** Pivot Tables, Pandas, Matplotlib, NumPy, SciPy, JSON, APIs, Geo Mapping, Tableau, GitHub, Hadoop, SQLite, SQLAlchemy, Excel, Flask, ERDs, Flask, Plotly, D3

**Databases:** PostgreSQL/pgAdmin, MongoDB

## Projects

### US Traffic Accidents | <https://aspenjack.github.io/US-Transportation-Accidents/>

- Exploratory analysis of US traffic accidents from 2017-2021. Census data incorporated to identify which cities had the most accidents per capita
- Collaborated with four peers to collectively clean data and integrate census API
- Independent contributions include identifying accident trends relative to weather conditions, merging individual analyses, and extracting accurate, meaningful, data-driven insights from the collective analysis
- Utilized Python, Pandas, Census API, GitHub, JSON, Matplotlib, NumPy, SciPy

### Crowdfunding ETL | <https://aspenjack.github.io/Crowdfunding-ETL/>

- Extracted data from two Excel spreadsheets into Python, engaging in meticulous transformation and cleaning processes to derive four distinct, purposeful tables
- Exported each table to a CSV file and crafted an Entity-Relationship Diagram (ERD) and corresponding table schema, enabling seamless loading of data into SQL
- Utilized Python, Pandas, SQL, Excel, Entity-Relationship Diagram, GitHub, NumPy

### Ethical Fashion | <https://github.com/aspenjack/Ethical-Fashion>

- Collected, cleaned, and transformed data to develop a dashboard page displaying multiple dynamic visualizations capable of user-driven interaction
- Independent contributions include cleaning and transforming data in Python using Pandas, loading data into SQL using SQLAlchemy queries, and creating backend JavaScript code to build dynamic charts using D3 and Plotly
- Leveraged Python, Pandas, Flask API, GitHub, JSON, HTML/CSS, JavaScript, SQLAlchemy, D3, PostgreSQL, Entity-Relationship Diagram, Plotly

## Experience

### Flight Dispatcher

**2021 – 2023**

#### CAE

Mesa, AZ

Responsible for collecting and processing data that strategically managed flight operations for 75 aircraft and 600+ students and instructors. Problem-solved dynamic business operations while working within company and FAA-issued guidelines and compliance. Independently responsible for data-driven decision-making.

Key Accomplishments:

- Collected and transformed data to create an innovative map for pilots
- Received merit increase prior to annual raise for exceptional daily performance
- Received excellent annual reviews and maximum merit increases each year for consistent dedication and expertise

### Logistics Specialist

**2020 – 2021**

#### Amazon

Tempe, AZ

Tasked with creating data-based solutions surrounding daily freight movements flowing into and out of North American fulfillment centers to ensure that routes were efficient and drivers were able to perform their job duties successfully. Collected and transferred data while interpreting and resolving stakeholder issues. Utilized excel spreadsheets to collect, input, and share data among specialized teams.

Key Accomplishments:

- Improved an operational process for critical vehicle servicing by 100%
- Identified as a top performer; assisted in training multiple batches of new hires
- Cross trained in multiple areas to assist where needed due to exceptional performance within original team

### Server

**2017 – 2020**

#### Pine Canyon Country Club

Flagstaff, AZ

Utilized excellent communication skills and attention to detail to accurately collect information, transfer it across teams, and deliver results in a timely manner. Responsible for resolving customer concerns swiftly and effectively.

Key Accomplishments:

- Identified as an excellent organizer and innovator; independently orchestrated a transformative overhaul of space, seamlessly optimizing operational efficiency over a period of several months

## Education

**Data Analytics and Visualization Certificate:** UC Berkeley

A 24-week intensive program focused on gaining technical programming skills in Python, VBA, Excel, SQL Databases, R, JavaScript, Tableau, Big Data, and Machine Learning.

**Bachelor of Arts, Environmental Sustainability and Studies:** Northern Arizona University  
Summa Cum Laude, Honors College