

# HAIFA NAJDAWI

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## SUMMARY

Computer whiz who formerly worked as a sales representative for a telecommunications company in Jordan. That gives me skills to work with a team, help other members when possible, attention to details, decision maker, build strong relationship with customers and time management.

### **Data analysis and technical programming skills:**

**Languages:** Python, R, JavaScript

**Tools:** Jupyter notebook, visual studio code, Postman, Git, SQLAlchemy

**Database:** PostgreSQL, MySQL, MongoDB

**Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau

**Excel:** VBA, Macros, Pivot Tables/Charts, Index/Match, VLOOKUP, IFS, SUMIFS

**Web Development:** HTML, CSS, D3, Leaflet, Mapbox, Bootstrap

**Web framework:** Flask

**Deployment:** Heroku, GitHub Pages and AWS Cloud Services.

## TECHNICAL SKILLS

## PROJECTS

**Criminal Weather Denver** | [ [https://github.com/mnolker/Criminal Weather Denver](https://github.com/mnolker/Criminal_Weather_Denver) ]

- **Summary for the project:** Our project focus does the weather have an impact on a crime. Find if there is a correlation in non-traffic crime in the city of Denver compared to various weather conditions (Average temperature, Wind speed, Cloud cover and Precipitation inches).
- **The task:** Create account on worldweatheronline.com to pull data that need it for variant weather by city name using API for every day from 1/1/2016 to 8/31/2020, Create scatter plot and calculate r values, generate pivot tables for multiple weather condition then plot it using bar chart.
- **Tools/Languages:** Python, Jupyter notebook and git.

## ETL Project | [ <https://github.com/travisstowell/ETLProject> ]

- **Summary of the project:** Main goal of this project is how to Extract the data, then Transform data, finally Load it to database.
- **The task:** Transform the data, clean it up by deleting columns we do not need and null values, then load this tables to PostgreSQL and join them into mutual column.
- **Tools/Languages:** Python, Jupyter notebook and git.
- **Databases:** PostgreSQL

## Tourism statistical analysis Project | [ [https://github.com/ewatxc82/tourism\\_statistical\\_analysis](https://github.com/ewatxc82/tourism_statistical_analysis) ]

- **Summary of the project:** The main goal of this project is to plot and provide insight regarding publicly available tourism data in Europe. Our main areas of concentration include the number of arrivals documented and tourism specific revenue generated for each European country available in dataset. We seek to better understand the economic impact of tourism in various European countries over our selected time, 1995-2019 and shed light on which countries generated the most tourist traffic and revenues.
- **The task:**
  1. Transform the data, clean it up by deleting columns we do not need and null values, then load this tables to PostgreSQL and join them into mutual column.
  2. Then used flask as a web framework and developed two API's the first query is the arrival data from Postgres and was formatted in json format and is sent back in the response, the second one does the exact same thing, but for revenues data, Also, used flask to render the html pages and other static files like JS and CSS.
  3. Used Heroku for hosting application and database. For database Heroku provided Postgres database and to load the data on this database took backup from local Postgres database and restore it on the Heroku's one. Also, hosted flask app on Heroku by giving Heroku access to GitHub repo and required dependancies put it in the requirements file and Heroku took care of all deployment process.
  4. Use Plotly library to create a choropleth map.
- **Tools/Languages:** Flask, Python, JS, HTML, Jupyter notebook, Git and VS code.
- **Deployment:** Heroku.
- **Databases:** PostgreSQL.

## EXPERIENCE

**Employee Sales Representative**  
**Zain Telecommunication (ESCO)**

09/2012 - 03/ 2014  
Amman-Jordan

Sold prepaid and postpaid Internet and phones lines, collected payment from the customers. This job gains me many skills to be good at communicating with the customer, build trust with our service to own their loyalty for the Company, working under pressure and be accurate when you are using money.

## EDUCATION

**Data Analytics Boot Camp: University of Kansas**, Lawrence, KS

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

**Bachelor's Degree in Marketing: University of Jordan**, Amman, Jordan