ABDULLAH M. ALFAI

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SUMMARY OF QUALIFICATIONS

Qualified financial and data analyst with experience in gathering, analyzing, manipulating, and visualizing data to translate it to meaningful outcomes. Proficient in several programming languages and able to quickly learn new skills to meet demands of projects. Experienced in leading and collaborating with cross functional teams to achieve deliverables under strict timelines. Capable of utilizing my bilingual skills (English / Arabic) to create reports, provide data, and present in both languages.

TECHNICAL SKILLS

- Languages: Python, SQL, NoSQL, JavaScript
- Visualization: Tableau, Seaborn, Matplotlib, Plotly, D3, SVG, Leaflet,
- Markup languages: HTML, CSS
- Framework: Flask
- Reporting tools: MS Excel, Word, P.Point
- Fundamental Statistics: Modeling, Forcasting
- Database: MySQL, MongoDB, SQLite
- *Working Knowledge: R, Machine Learning, Teradata, Hadoop, PySpark*

EDUCATION & PROFESSIONAL DEVELOPMENT

- **Data Analytics and Visualization** - Professional Development Program | UC-Berkeley Extension | Belmont,CA
- **Finance - Analysis & Risk Taking** - Bachelor of Science | University of Wisconsin | La Crosse, WI
- **Sales Management** - Associate's Degree | The Institute of Public Administration | Riyadh, Saudi Arabia

RELEVANT EXPERIENCE

Advanced Data Analytics Trainee | UC Berkeley Extension | Belmont, CA Oct 2017- May 2018
Attending a six-month advanced professional development program for Data Analytics and Visualization

- Wrote complex SQL queries such as but not limited to: joins, grouping, aggregations, and nested subqueries.
- Implemented data wrangling, cleaning, transforming, merging and reshaping data frames.
- Generated meaningful reports to be able to easily visualize existing trends and to predict future ones.
- Developed Python based API to track data and created reports using Flask, SQLAlchemy.
- Demonstrated ability to work independently and with a team of Python coders.
- Built a variety of programs using sentiment analysis, APIs, Data Munging, Media Mining, and Visualization using Seaborn, Matplotlib, Plotly, D3, SVG, Leaflet, Tableau.

Relevant Experience:

I worked on over 20 different projects, collaborating with a team of four individuals. Below is a brief description of three of them:

Project 1 (SF Police Incidents): The goal of this project was to analyze the San Francisco Police Department (SFPD) Incident Report. We used Python, Pandas, NumPy and API requests data from data.sfgov.org. Our findings of the analysis were presented using Matplotlib and Seaborn.

Project 2 (SF Awareness): For this project, we used the San Francisco Police Department (SFPD) Incident Report, containing a detailed record of police incidents for 2016. The main goal was to produce a tool that can help increase safety awareness for the user, using different views of the data set: 1) Several visuals were used to display neighborhood-specific incident data; 2) Heatmap-style calendar which depicts total number of incidents for a given day; and 3) Search feature that reports the total number of incidents which occurred within a certain radius from a given coordinate.

We used Python, Html, CSS, JavaScript, D3. Tableau was used initially to create and visualize maps, neighborhoods, and intensity of incidents to draw overall pictures and scenarios.

Project 3 (Education Matters): Data sets were used to explore the following questions/areas - *What are the prominent features that determine earning potential for graduating students? Is there a set of features that can be used to predict the earning potential? What, if any, natural groupings can be found in the set of features explored in the above questions?* Using Machine Learning techniques, we scrutinized the relationship between various features—demographic, economic and other variables such as academic major, tuition—and their impact on earnings 10 years post- graduation date. The following Machine Learning techniques were employed in various analyses: 1) Decision Tree and PCA were used for feature selection. 2) Multi-variate regression analysis was trained on the top ten dominant features driving post graduate income. 3) Cluster analysis was applied to identify natural grouping among the top three features used in regression analysis. We used Python and Pandas for data munging, Matplotlib and D3 for data Visualizations, and HTML/CSS/Bootstrap and Flask for project web page. We also used Tableau to initially analyze data.

Personal Banker | Wells Fargo |Burlingame, CA June 2014 – June 2015

Managed daily operations and analyzed financial reports, led 'New Market Penetration' project

- New Market Penetration (NMP):
    - Defined and set project goals under supervision of DM and collaboration of branch managers.
    - Communicated tasks to project team members located in branches within designated district and followed up through resolution.
    - Analyzed reports made by team members on a weekly basis, suggested and implemented improvements to enhance operations and sales performance.
    - Presented results and implemented strategy to overcome drawbacks to branch managers and DM on a biweekly basis.
- Built clients through networking and word of mouth recommendations
- Generated business by selling products and services to potential and existing customers.
- Achieved aggressive sales goals and provided high quality customer service.
- Recognized and referred cross-sell opportunities and performed daily/weekly sales reporting.

Sales Supervisor | Macy's | La-Crosse, WI & San Francisco, CA Mar 2011 – Oct 2013

Lead a team of 12 people to meet sale objectives and analyzed sales data to forecast future trends

- Conducted sales evaluation reports, analyzed it, forecasted future sales.
- Suggested adjustments and revision to promotional strategies to improve sales and profitability.
- Presented sales reports to district and regional managers.

INDEPENDENT EMPLOYMENT

Data Analyst | Freelancing |Burlingame, CA July 2015 – Mar 2017

Analyzed large data sets and generated meaningful and dynamic reports for various clients

- Performed analysis using Excel spreadsheet (pivot tables, V-lookup, what if analysis and other formulas).
- Wrote complex SQL queries on a daily basis (joins, grouping, nested subqueries, aggregations...).
- Imported/exported and manipulated large data sets (million-row databases) under tight deadlines.
- Built Python programs using packages such as pandas and NumPy for data cleansing and manipulation. Also utilized Matplotlib and Seaborn visualization and storytelling.