EMAD MOHAMED - Data Analyst

(Green Card Holder)

Sponsorship not required

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| Highlights | |  |  | | --- | --- | | * 6 years software enginering. * 2 years data Engineering. | * 30+ software and engineering tools. * 50+ Projects. | |
| Skills | **WEB SCRAPING**: Python, Beautiful Soup, Selenium, Scrapy ★★★★★★★★★★  **VISUALIZATION**: Tableau , R ,Python Jupiter ★★★★★★★★★★  **DATA WRANGLING**: Python, R , Tableau , Traffica ★★★★★★★★★  **PRESCRIPTIVE ANALYTICS** : Python Gurobi , Excel Risk Solver ★★★★★★★★  **DASHBOARDS DESIGN**: Tableau , R Shiny ★★★★★★★  **PREDICTIVE ANALYTICS** : R, Rattle , Weka , Watson IBM ★★★★★  **DECISION MODELING**: Logical decisions , Analytica , Netica ★★★★★  **GEOSPATIAL INTEL**: ArcGIS , Tableau , Carto ★★★★  **DATABASE MANAGEMENT:** SQL server , NOSQL MONGO db ★★★  **BIG DATA** : Hadoop , AWS ★★ |
| Projects | REAL ESTATE - Santorini capital llc– WASHINGTON, DC May 2016 – Present  Data Analyst –application developer   * Innovated **web driving** functionality that has **50%** estimated efficiency increase in web navigation time-utilization of client online property search process using **Selenium web driver**. * Engineered **Geo-visuzliation** functionality that has **70%** estimated increase in client visual perception for prospective clusters of opportunities with **Tableau**. * Developed Interactive **User Interface** Dashboard with **Tableau**. * Designed **Alert System with 90%** estimated increase in efficiency of tracking changes on real properties of interest to client with **python**. * **Web Scraped** , **wrangled** and **geocoded** with **python** and **R** residential DC properties datasets. * Formulated new methodology in identifying **blighted** and **under tax** properties.   DOMINOS PIZZA, usa January 2016 – May 2016  System Optimizer   * **Web Scraped** dominos pizza stores and dough distribution centers **geo-locations** across US using **beautiful soup python** and **reg ex**. * Extracted store daily demand **dough need** and **transportaion cost** from distribution centers from dominos supply chain case study published by george mason’s research team. * Modeled and solved Domino’s **Transportation Network** problem using **python Gurobi opitimzer**. * Re-Solved the model in **integer programming** format (supply center ship or do not). |
| Education | GEORGE MASON UNIVERSITY – Fairfax, VA 2016  Msc . Data Analytics Engineering  LOUGHBOROUGH UNIVERSITY– Loughborough, UK 2011  Bs.c Electrical & Communications Engineering |
| Military | EGYPTIAN MILITARY ACADEMY -cairo,egypt 2013 |