

Jad Aboul Hosn

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EDUCATION

Master of Science - Computer Engineering	May 2019
Arizona State University, Tempe, AZ	3.78 GPA
Courses: Statistical Machine Learning, Artificial Intelligence, Distributed Database Systems, Data Mining, Data Visualization, Foundations of Algorithms	
Bachelor of Science - Computer and Communications Engineering	June 2017
Minor in Business Administration	3.5 GPA
American University of Beirut, Beirut, Lebanon	
Courses: Database Structure and Design, Internet Security, Discrete Signal Processing	
Scholarships	
One of ~200 scholarship recipients selected from 15,000+ applicants, on a need and merit basis, to pursue a Computer Engineering degree at Arizona State University	2017-2019

RELEVANT SKILLS

Languages: R (tidyverse, caret), Python (scikit-learn, NumPy, SciPy, Pandas, TensorFlow), SQL , Java, C, C#, C++
Tools: Databases & BI : SQL Server, PostgreSQL, MongoDB, Hadoop, Apache Spark, Informatica, AWS Data Visualization : Tableau, D3.js, ggplot (R), Seaborn, matplotlib, Plotly (Python) Version Control : git
Concepts: Machine Learning : Classification, Clustering, Bayes Nets, Regression, Feature Engineering, Data scraping, wrangling and visualization Databases : Data Pipeline, ETL, Database Warehousing, Data management, Big Data Analytics, Process Optimization

PROFESSIONAL DEVELOPMENT

Data Scientist, Loans & Risk Management	Sept. 2018 – Present
DriveTime	Tempe, AZ
<ul style="list-style-type: none">Building a multivariate time series regression model for vehicle depreciation, based on retained value per MOBBucketing sold vehicles into 5 tiers, with a difference more of than 1000\$ in depreciation between the lowest and the highest bucket (Expected savings of \$2M in sold vehicles)	
Data Engineer and Business Intelligence Developer	June 2018 – Aug. 2018
DriveTime	Tempe, AZ
<ul style="list-style-type: none">Saved 2+ hours/night in processing time by parallelizing and refactoring 20 SQL jobs for FTP file transfersDesigned & optimized SQL queries to fetch data from star schema data model with causal external dimensionsAutomated a monthly ETL credit scoring procedure into a daily process, reducing processing time from 74 minutes to 14 minutes for the exact same data	
Data Science Research Aide	Dec. 2017 – May 2018
School of Geographical Sciences, Arizona State University	Tempe, AZ
<ul style="list-style-type: none">Replaced a legacy map-matching algorithm with another that cuts down processing time from days to minutesAutomated data scraping from twitter using Python (Pandas) and setup ETL jobs to create centralized repositoryRetrieved & manipulated large datasets & extracted significant features to project a cyclist's impact on the pavement	
IT Audit and Data Assurance Analyst	July 2017 – Aug. 2017
Deloitte & Touche	Beirut, Lebanon
<ul style="list-style-type: none">Investigated the IT and data infrastructures of several banks and was able to stop a potential internal data breachAdvised clients with policies and strategies to ensure safety and security of their businesses in case of a disasterImplemented ER Modeling and built a normalized schema with front-end reporting using complex queries and procedures	

PUBLICATIONS

A Miniaturized Reconfigurable UHF Antenna	2018
IEEE International Symposium on Antennas and Propagation, pp. 1-2, Boston, MA	