Jad Aboul Hosn

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EDUCATION

Master of Science, Computer Engineering — May 2019
Arizona State University, Tempe, AZ — *3.8 GPA*

Bachelor of Science, Computer & Communications Engineering — June 2017
American University of Beirut, Lebanon — *3.5 GPA*

Scholarship — 2017-2019
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

TECHNICAL SKILLS

Languages	Python, R, SQL, Java, C++
Software Tools	Docker, GitHub, Bash, d3.js, Tableau, Azure Machine Learning, AWS, Jupyter, AutoML, Snowflake, Databricks, Spark, Scala, Flask, Informatica
Machine Learning	Classification (Logistic Regression, SVM, Xgboost) and Regression (Linear, Ridge, LASSO), Survival Analysis, Reinforcement Learning, A/B testing
Relevant Courses	Statistical Machine Learning, Artificial Intelligence, Data Visualization, Big Data & Distributed Database Systems

EXPERIENCE

Data Scientist — June 2019 - Present
DriveTime — *Tempe, AZ*

· Quantifying customer risk by building a proprietary credit-scoring model using credit bureau data
· Analyzing & processing credit bureau data by assessing their efficacy & model gain to make long-term decisions that improve the customers' experience
· Developing an end-to-end automated ML pipeline, that reduces the modeling cycle from 12 to 3 months (Python, Azure Machine Learning, AutoML, Azure DevOps, Docker, CI/CD)
· Producing a large portfolio of tutorials, coding practices & guidelines used for training team members
· Coordinating across the organization to utilize deployed ML models to maximize ROI by collaborating with other analytical teams, data architects & DevOps

Data Science Engineer & BI Intern — June 2018 - May 2019
DriveTime — *Tempe, AZ*

· Built, tested & deployed a regression model to rank-order vehicle depreciation to optimize buy strategies
· Played a key role in assessing the impact of vehicle depreciation, selection & financing on customer risk
· Developed a monitoring pipeline that collects real-time scores, monitors model performance and through-the-door customer population shifts (R, SQL, SQL Server R services, Informatica)

PROJECTS

Peer-to-peer lending risk model: A logistic regression model that quantifies and predicts the probability of default within the first year on book (Python, Flask, Docker, Logistic Regression)
Sarcasm Detection in Tweets: A benchmark study comparing the performance of Naïve Bayes, SVM, Decision Trees and Logistic Regression on informal tweets for sentiment analysis (NLP)

PUBLICATIONS

A Miniaturized Reconfigurable UHF Antenna — July 2018
2018 IEEE International Symposium on Antennas and Propagation, Boston, MA