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, CI/CD
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)
- 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