

Mo Messidi

Fountain Valley, CA, USA

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EDUCATION

Georgia Institute of Technology | Aug 2018 - Expected May 2020

M.S in Computer Science *Machine Learning Specialization*

Texas A&M University | Aug 2013 - May 2013

B.S in Electrical Engineering *Computer Engineering and Systems Specialization*

EXPERIENCE

Graduate Researcher - Data Analytics | Aug 2018 - Present

Georgia Institute of Technology | Fountain Valley, CA

- Produced a meaningful dataset from the U.S. Census and U.S. FEC APIs using ETL
- Extracted and clustered principal components of demographic data using PCA and K-means clustering
- Built linear regression models to quantify electoral fundraising performance and identify outlier zipcode areas
- Developed a visualization dashboard that allows users to investigate areas with unmet fundraising potential
- Presented [publication](#) at GeorgiaTech's Career, Research, and Innovation Development Conference (CRIDC)

Related Skills: Machine Learning, Big Data Analytics, Data Visualization, Tableau, ETL, AWS

Software Engineer | Sep 2016 - Aug 2018

Novo Nordisk Engineering | Copenhagen, Denmark

- Developed software for distributed pharmaceutical manufacturing systems using object-oriented design principles
- Collaborated with cross-functional teams to define requirements, identify solutions and resolve issues
- Interfaced with stakeholders throughout the entire software development life cycle

Related Skills: Cross-functional Teamwork, OOP, Stakeholder Management, SDLC, Distributed Systems, Sattline

Engineer - Operations Analytics | Aug 2014 - Sep 2016

A.P. Moller - Maersk Oil | Copenhagen, Denmark

- Analyzed sensor data using SQL to identify and solve facility operational issues for offshore oil rigs
- Developed and deployed an analytical model that predicts electrical fault locations using sensor data
- Presented a successful business case to executive management about opportunities in the decommissioning market
- Graduated from the company's graduate rotational program that focuses on developing business acumen

Related Skills: Data Analysis, Financial Analysis, Statistical Modelling, Databases, SQL, Python

Research Assistant - Biomedical Signal Processing | May 2013 - Feb 2014

Texas A&M University | Doha, Qatar

- Extracted meaningful features from raw time-series data using data cleaning, normalization and transformation
- Developed a model for classifying deep sleep using eye movements data that achieved 90.5% accuracy in testing
- Presented [publication](#) at IEEE's Middle East Conference on Biomedical Engineering (MECBME)

Related Skills: Time-series Analysis, Statistics, Research, Data Cleaning, Data Transformation, Matlab

PROJECTS

Customer Churn Prediction For a Music Subscription Service | [Project Link](#)

Related Skills: Model Evaluation, Scikit-Learn, Neural networks, Gradient Boosting, k-NN, SVM

Phishing Email Detection From Email Body Text | [Project Link](#)

Related Skills: Natural Language Processing (NLP), Feature Extraction

Credit Card Common Point of Compromise Fraud Analysis | [Project Link](#)

Related Skills: Exploratory Data Analysis, Statistical Analysis, NumPy, Pandas, Matplotlib

Risk Assessment & Criticality Prediction of ICU Patients using EMR | [Project Link](#)

Related Skills: Feature Engineering, Hadoop, Spark, Scala, Hive, Pig