

Education

Flatiron School: Data Science Program	April 2020 - Jan 2021
The University of Texas at Dallas <i>Master of Business Administration</i>	January 2017 – March 2019
The University of Texas at Arlington <i>Master of Petroleum Geoscience</i>	August 2016 – May 2018
Texas A&M University <i>Bachelor of Science in Geoscience</i>	August 2012 – May 2016

Experience

Data Scientist <i>ClassPass</i>	June 2021 – Present
<ul style="list-style-type: none">Developed user fraud detection model to prevent repeat trial redeemers<ul style="list-style-type: none">Applied outlier detection methods including Isolation ForestPerformed similarity modeling for class genres to be leveraged in our primary recommendation systemDaily use of Postgres in an OLAP environment for complex data wranglingLeads in testing for new products / strategies with A/B testingBuilds interactive dashboards in Tableau	
Geoscientist <i>Oasis Petroleum</i>	June 2018 – March 2021
<ul style="list-style-type: none">Performed cluster analysis to define reservoir types strongly correlated with oil production, leading to tiering of undeveloped assets and stronger project evaluationsBuilt regression models with Random Forest to predict oil production at various points in the lift of a well, with the primary goal being interpretability and inference<ul style="list-style-type: none">The results of these models helped us better understand the temporal impact of our capital, and drove meaningful change in our programUsing data visualization packages such as Plotly, created meaningful and intuitive visualizations that conveyed complex relationships in a concise mannerUsed various machine learning models to predict missing/rare data points greatly reducing costs and risk of acquisitionExperience with Shapley analysis to further explain the relationships interpreted by tree-based methodsCreated and presented material stepping through complex machine learning algorithms and findings to senior management teams and non-technical staff to build confidence in results of the models built	

Relevant Academic Coursework:

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| <ul style="list-style-type: none">Calculus 1-3Differential EquationsNewtonian Mechanics for EngineeringElectricity and Magnetism for EngineeringQuantitative Risk AnalysisFinancial ManagementAdvanced Engineering Economy | <ul style="list-style-type: none">Enterprise IT ArchitectureInformation Technology for ManagementData VisualizationManaging Digital StrategyCorporate FinanceBusiness EconomicsInteractive and Digital Marketing |
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Relevant Skills:

- Proficiency in Python and SQL (4+ years)
- Experience with version control software (Git)
- Strong time-management skills and a curious, proactive mindset
- Strong knowledge of machine learning algorithms and their various applications
- Ability to work in a multidisciplinary team, understanding different sources of data as well as their biases and uncertainties
- Strong communication skills, ability to navigate complex environments and explain them in an intuitive, succinct manner