**Brian Tobin**

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Summary

Data Analysis, Analytics, and Machine Learning is my heart and soul. This motivates me in helping transform the business by assessing organizational needs, being engaged, and looking for potential opportunities to create business insights.

Skills

Languages: C++, C#, Python, R

Database: MSSQL, PostgreSQL, Teradata, Spark/Hive

Mock-ups, Reports, and Presentations: Excel, PowerPoint, Tableau.

Data Science Concepts: EDA, PCA, L/M/OLS Regression, Pandas, Seaborn, Numpy, Statsmodels, Sklearn (confusion\_matrix, PCA), Scree, VIF

Experience

Engineer III – Data Engineer April 2021 – Present

* Full-Stack Development on a BI solution using .NET, C#, MSSQL, and Visual Studio.
* Created Dashboards, Reports, and Presentations in Excel and Tableau.
* Created mock-ups or data test validations using Excel, and Python.
* Researched missing or mismatched values or other variances in data using Excel and SQL.
* Performed EDA to discover trends, patterns, visualize and to validate patterns in the data.
* Technologies used: ASP .NET, C#, Python, MSSQL, PostgreSQL, Tableau, Visual Studio

Consultant-Business Intelligence April 2018 – April 2021

* Contributed to an analysis report outlining potential savings from expenses vs avoidance.
* Developed a weather and power dashboard showing customer impact during storms.
* Developed a Time Series IP anomaly detection solution to investigate DOS attacks.
* Performed EDA to discover trends, patterns, visualize and to validate patterns in the data.
* Analyzed datasets using PCA, VIF for data reduction for data and model accuracy.
* Technologies used: R(RStudio), Python, Spark/Hive, Splunk, Tableau

Education

*University of North Texas* Bachelor of Applied Arts and Sciences · (2016 - 2019)

*North Central Texas College* Associate degree, Associate of Arts · (2016)

Patents

20170180033 – 6/22/2017 - CELLULAR NETWORK COVERAGE USING A SET OF MOBILE DEVICES