

Thanh Dinh Le

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SUMMARY Analyst with a background in Education and technical skills gained from Rice University. Looking to make a transition into technical role focused on data analytics, using the skills I have learned from Rice University Continuing Education. Enjoys a role that presents daily opportunities to learn alongside solving unordinary problems.

SKILLS

Programming: Python (Pandas, numpy, SciPy, scikit-learn, sklearn, hvplot, streamlit), SQL, JavaScript.

Data Analytics: PostgreSQL/pgAdmin, Tableau, Matplotlib, Plotly, MongoDB, Extract, Transform, Load (ETL).

Machine Learning: Supervised Learning, Unsupervised Learning, Deep Learning, Modeling, Forecasting.

Front-End Web Visualization: JavaScript charting, Geomapping with Leaflet.js, Dashboarding, Bootstrap, CSS, HTML.

DATA ANALYTICS & VISUALIZATION PROJECT EXAMPLES

- **Heart Disease Risks Prediction.** Created a machine learning model, specifically trained on CDC's 300,000 data records, to predict heart disease risks. The model is powered by AI to take in user's inputs and analyze risks of heart disease. Resulting in 90% accuracy rates. (https://leedthanh.github.io/true_heart_/left-sidebar.html)
- **Health Care Nursing Homes.** Built a website to display nursing home's locations using Geomapping with Leaflet.js (<https://leedthanh.github.io/True-Home/index.html>). Pulled in data from various sources to provide stakeholder a list of 15,000 nursing homes ranked by 5 stars based on customized criteria.
- **Crown funding ETL.** Building an ETL pipeline using python and pandas to extract and transform the data. Used CSV files data to create an ERD and a table schema and uploaded into a PostgreSQL database. (https://github.com/leedthanh/Crowdfunding_ETL)
- **Mortgage Loan Identifier.** Analyzed client's financial data and built a machine learning model to approve or not approve mortgage loans. The model correctly identify high-risk loan and healthy loan with an accuracy score over 87%. (<https://github.com/leedthanh/credit-risk-classification>)

WORK EXPERIENCE

Pearland ISD — *Middle School Math teacher*, August 2020 – May 2023.

Houston ISD — *Elementary School Math teacher*, August 2016– June 2020

- Strategic Planning: Designed, adjusted, and implemented, based on real time data, long term units, and lesson plans to maximize students' academic outcomes resulting in (academic data for 40% growth goals met and 90% passing rate)
- Conducted data analysis to tailor instruction to improved academic outcome.
- Stakeholder Engagement: managed internal and external communications with over 100 families throughout the year resulting in (40% - 60% families engaged, positive feedback, improved students' behavior outcome)

NWN Corporation — *IT Support Tech*, January 2015 - May 2016

- Install, update, and maintain client's lease computers. Built a system to pick up, diagnose and replace client's computers. Identified and maximized sales opportunities and increased customer retention rates.

EDUCATION

Rice University, Houston, Texas (Dec 2023)

Bootcamp: Data Analytics and Visualization Certificate

A 24-weeks intensive program focused on gaining technical skills like Python, SQL, Tableau, Machine Learning, JavaScript needed to analyze and solve complex data problems.

Texas A&M University, College Station (Dec 2014)

Bachelor of Science in Political Science