

Thanh Dinh Le

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SUMMARY

Analyst with a background in Education and technical skills gained from Rice University. 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.

Machine Learning – Supervised Learning, Unsupervised Learning, Deep Learning.

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

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

PROJECTS

Healthcare machine learning (https://leedthanh.github.io/true_heart_/left-sidebar.html)

- Created a machine learning model trained on CDC's data to predict heart disease risks. The model is powered by AI to take in user's inputs and analyze risks of heart disease.

Healthcare data analyst Geo mapping (<https://leedthanh.github.io/True-Home/index.html>)

- Pulled in data from various sources to provide stakeholder a list of nursing homes ranked by stars based on customized criteria. Created a website to display nursing home's location using Geomapping with leaflet.js

Fundraising data pipeline ETL (https://github.com/leedthanh/Crowdfunding_ETL)

- Created a ETL pipeline using Python, SQL to extract and transform data. Used CSV files to create an ERD and a table schema and upload into a PostgreSQL database.

Real Estate machine learning (<https://github.com/leedthanh/credit-risk-classification>)

- Analyzed client's data and built a machine learning model to approve or not approve mortgage loans.

Covid 19 data analysis (<https://github.com/leedthanh/Project1>)

- Used Python to quantify and visualized Covid 19 infections and deaths rates by states and counties.

School funding analysis (https://github.com/leedthanh/Analyze_school_data)

- Analyzed schools budget and students test scores to find insights for student's improvement.

WORK EXPERIENCE

Pearland ISD, Pearland, TX (August 2019 – Present)

Middle School Math Teacher

Implemented data-driven strategic planning resulting in academic growth. Conducted data analysis to tailor instruction to improved academic outcomes. Managed internal and external communication with students and families throughout the school year to ensure students success. Coordinated fundraising activities for field trips, school dances, and others celebratory activities. Sponsored and coached GT Academy Robotic club.

- Helped 90% of students passed the Math State test STAAR. Lead Robotic team to first place in TCEA.

Houston ISD, Houston, TX (August 2016 – July 2019)

Elementary Math Teacher

Created math curriculum for STAAR testing grade level. Served as tittle one campus coordinator in charge of curriculum committee. Strategically plan curriculum based on school data. Built a data tracker for students on Excel. Successfully improved students' academic outcome by having 95% of students passing the STAAR test. Sponsored and coached school's first ever girl soccer team. Fundraised money for field trips, school dances, soccer's equipment, graduation ceremony.

- Promoted into department chair focused on curriculum writing and Math STAAR tutoring. HISD campus teacher of the year 2019.

EDUCATION

Rice University, Houston, Texas (Dec 2023)

Bootcamp: Data Analyst and Visualization Certificate

A 24- week program focused on technical skills like Python, SQL, Tableau, Excel, needed to analyze and solve complex data problems.

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

Bachelor of Science in Political Science