Tom Nguyen Tran

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EDUCATION

Georgia State University | Atlanta, GA   December 2024
Bachelor's in Data Science

Coursework: Data Structures in Python, Linear Algebra, Principle of Computer Science II in Python, Calculus II, Fundamentals of Data Science, Database Systems, Probability & Stats For CSC, Machine Learning, Artificial Intelligence, Data Visualization

CodeAcademy | BI Data Analyst Certificate   January 2025

WORK EXPERIENCE

Tiger Sugar | Shift Leader   April 2024 - Present
- Led a team of 2 baristas, optimized inventory management, conducted nightly cash audits, and streamlined workflow to boost efficiency.

Code Wiz | Coding Instructor   July 2022 – Jan 2023
- Instructed students on programming fundamentals and critical problem-solving skills, aiding them in building algorithms to complete 30+ projects using Python.

PROJECTS

Sentiment Analysis of Online Reviews| *Python, NLTK, Pandas, ScikitLearn*   May 2024
- Engineered a hybrid sentiment analysis model by integrating NLTK's VADER with logistic regression, achieving 93% accuracy in predicting customer sentiment on Amazon Alexa product reviews.

New York Airbnb Analysis | *Python, Pandas, Matplotlib, Folium*   March 2024
- Leveraged spatial and non-spatial techniques to uncover and visualize affordable Airbnb accommodations across New York neighborhoods.
- Designed a data generator to simulate the effects of new data on existing datasets to highlight significant changes in real time.

Spam Mail Prediction | *Python, Pandas, ScikitLearn*   September 2022
- Developed a logistic regression model with 95% accuracy on the training data, to predict whether an email was spam or non spam.

TECHNICAL SKILLS & TOOLS

- **Languages**: Python, SQL
- **Technologies**: Jupyter Notebook, Scikit-Learn, Numpy, Pandas, Excel, Tableau

LEADERSHIP & ADDITIONAL ACTIVITIES

Vietnamese Student Association | Event Director   January 2023 – April 2024
- Oversaw the planning of events for the club, strengthening connections between members and promoting Vietnamese cultures and traditions to a wider audience.