

# Tom Nguyen Tran

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## EDUCATION

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

December 2024

**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

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**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

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[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

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

## LEADERSHIP & ADDITIONAL ACTIVITIES

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**Vietnamese Student Association** | Event Director & Head Soccer Coach January 2023 – Present

- Oversaw the planning of events for the club, strengthening connections between members and promoting Vietnamese cultures and traditions to a wider audience.
- Strengthened the club's soccer team by mentoring players, fostering teamwork, and leading the team to playoffs and a first place victory over the past 2 years.