

TRANG TRUONG

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🌐 <https://trwglthchang.github.io/Portfolio/>
🔗 <https://github.com/trwglthchang>

Education

Arizona State University

Aug 2023 - Dec 2026

Bachelor of Science, Business Data Analytics

- **GPA:** 3.89
- **Coursework:** Computer Applications and Information Technology; Math for Business Analysis; Business Statistics; Information Systems; Analytics; AI Business; Principle of Programming with C++

Skills

- **Programming Languages:** Python; C++; SQL; HTML
- **Data Analysis & Visualization:** Excel; Tableau; Pandas; Matplotlib; NumPy; Seaborn; Plotly; Git
- **Technical Skills:** Business Data Analytics; Data Structures and Algorithms; Project management; Process optimization; Natural Language Processing (NLP), Machine Learning

Professional Experience

School of Mathematical and Statistical Sciences, ASU

Oct 2024 - Present

Office Aide

Tempe

- Assisted and managed students with overriding classes and math placement test.
- Organized and scheduled meetings and appointments with advisors.

Light Your World

2020

Vice Leader, Head of Communication Board

- Coached and edited members' essays and articles.
- Created and managed the writing and events schedule.

Healing Palette Vietnam

2022

Vice leader, Head of Communication Board

- Instructed groups of 10 members, ages ranging from 16-18, about skills in doing a variety of projects.
- Organized events and projects by collecting contracts, finding sponsorships, and managing the preparation process.

Community Experience

SOS Children's Village

2021

Volunteer English Teacher

- Taught English to two beginner-level students for 3 months
- Boosted students' proficiency to test-ready levels, supporting successful school admissions.

Academic Competitions

- **Automatic Bin (4th Place Winner):** Designed an energy-efficient waste disposal system using physics and C++ automation, analyzing energy use and pollution reduction. Explored bacteria for organic waste decomposition.
- **Plastic Brick (2nd Place Winner):** Conducted durability experiments on plastic-infused bricks, optimizing formulations for strength. Reported on effectiveness and ideal construction applications.

Projects

Electric Vehicle Population Data [LINK](#) | Python (Pandas, NumPy, Matplotlib, Seaborn)

Mar 2025 - Present

- Used Python to extract insights on adoption trends, vehicle types, and manufacturer distribution.
- Utilized Pandas and NumPy for data cleaning, transformation, and aggregation to enhance dataset usability.
- Created visualizations with Matplotlib and Seaborn to showcase EV growth patterns and geographical distribution.

House Rent Prediction [LINK](#) | Python (Pandas, NumPy, Matplotlib, Plotly)

Mar 2025 - Present

- Analyzed rental price trends using Python, focusing on factors like location, size, and amenities.
- Utilized Pandas, NumPy, and Matplotlib for data preprocessing, feature engineering, and exploratory data analysis (EDA).
- Developed predictive models with regression techniques and created dynamic visualizations using Plotly.

Sephora Product Reviews [LINK](#) | Python (Pandas, NumPy, Matplotlib)

Apr 2025 - Present

- Processed and analyzed over 150,000 Sephora product reviews to evaluate consumer sentiment and recommendation behavior.
- Used SQL to clean and standardize text review data, provide a detailed insight.
- Used Python to handle missing values, and remove duplicates to prepare high-quality datasets to explore trends in product ratings and recommendation frequency to derive insights into customer satisfaction levels.
- Used regression techniques to predict the recommendation and rating for Sephora's products, Natural Language Processing (NLP) for sentiment analysis on the review text.