

Collin Tran

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School Address: 6643 Abrego Road Unit B1, Goleta, CA 93117

EDUCATION

University of California, Santa Barbara

Goleta, CA | June 2025

- *College of Letters & Science*: B.S. in Statistics and Data Science
- *Cumulative GPA*: 3.7

PROJECTS

Personal Website: collintrann.github.io (HTML5/CSS, Javascript)

- Designed and built website using HTML5/CSS to showcase personal projects and experience.
- Used JavaScript to implement interactive elements of website, such as dark/light mode options.

Twitter (X) Sentiment Analyzer (Group Project for HackMIT 2023) (Python, Javascript):

- Analyzed 100+ Tweets per Twitter (X) keyword search to determine sentiment around specified topic.
- Implemented Hugging Face AI's Inference API to employ sentiment analysis and text classification Natural Language Processing models. Produced sentiment score for individual Tweets using this implementation.
- Aggregated sentiment data into histogram visualizations to exhibit sentiment over time using Matplotlib.
- Utilized Selenium web scraper to gather Tweets from time periods chosen between 1, 3, or 6 months.

Tic-Tac-Toe (Python)

- Developed game of Tic-Tac-Toe and designed Graphical User Interface (GUI) using the Tkinter library.
- Employed TCP socket connections to allow for gameplay across multiple devices over a local network.

JOB EXPERIENCE

The Daily Nexus, *Data Journalist*

Goleta, CA | October 2023 – Present

- Performed statistical analysis on large datasets and published findings on the school newspaper. Created data visualizations using Matplotlib to accompany articles.
- Contacted government and university offices to make Public Records Act requests to obtain data for stories.

Code Ninjas, *Computer Science Instructor*

Newport Beach, CA | April 2023 – August 2023

- Taught Scratch (Block coding) and JavaScript to groups of children ages 7-13 years old on the IMPACT education platform, resulting in significant improvement in programming proficiency and computational skills.
- Managed a classroom of 10-15 students and maintained a positive and productive learning environment to maximize student engagement.
- Utilized formative assessments to track individual student progress and identify areas of improvement.

LEADERSHIP & VOLUNTEER EXPERIENCE

UCI Department of Earth System Science, *Research Assistant*

Irvine, CA | May 2022 – November 2022

- Operated EM27 Solar Absorption Spectrometer to gather CO2 emissions data at four Southern California university campuses over a period of one week per collection period.
- Collected and prepared 20-30 plant samples per data collection site for radiocarbon content analysis and comparison with EM27 emissions data.

Equalizers Track Club, *Assistant Coach*

Fountain Valley, CA | July 2019 – July 2022

- Lead a group of 10-20 competitive youth runners through a series of drills, track workouts, and strength exercises.
- Educated runners about recovery techniques, injury prevention, and race strategy.

SKILLS & INTERESTS

Technical Skills: Python, Git, HTML5/CSS, JavaScript, React, SQL, R, Swift, Hugging Face, C++.

Relevant Coursework: Statistical Programming with R, Principles of Data Science, Data Structures with C++, Boolean Algebra and Logic, Linear Algebra, Multivariable and Vector Calculus, Differential Equations.

Interests: Coxswain on UCSB Women's Rowing, golf, tennis, long-distance running, snowboarding, hiking.