

Henry Tran (June 23-September 15)

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PROFESSIONAL EXPERIENCE

Mt. San Antonio College

July 2023 - May 2024

Undergraduate Student Researcher

Walnut, California, United States

- Designed and implemented data simulations to generate a dataset of **400** students (approximately **5000** data)
- Utilized **Numpy** to **manage** and **processed** large datasets efficiently
- Applied **Bayesian** statistical methods to compare grade differences between testing groups(**large** extra credit groups, **small** extra credit groups) and control groups (**no** extra credit groups)
- Simulated data to determine the probability of different outcomes and interpret the results

SKILLS

Programming: Python (Numpy), C++

Software & Platform: Git

EDUCATION

Mt. San Antonio College

Walnut, CA

Electrical Engineering & Software Engineer

Sep 2022 - Jun 2025

GPA: 4.0

ACADEMIC EXPERIENCE

Mt. San Antonio College

Sep 2022 - Jun 2025

Activities & Societies:

On Campus

- * Vice President of Alpha Gamma Sigma (2023)
- * Secretary of Math Club (2024)
- * Mt.SAC Robotic Team (2024)

Associate Degree in Mathematics

Highlight Courses:

- * Calculus 1, Calculus 2, Calculus 3, C++ Programming Language, Linear Algebra, Engineering Physics, Microeconomics, Macroeconomics

HONORS AND AWARDS

Mt. San Antonio College

June 2024

Jonah Jeremiah Lavata's Memorial Scholarship

ARISE Program

Mt. San Antonio College

Spring 2023

President's List

Fall 2023

President's List

Spring 2024

President's List

SIDE PROJECT

Tic-Tac-Toe Game github.com/henrytran07/tictactoe

February 2024 - May 2024

This side project is a console-based Tic-Tac-Toe game with user authentication, incorporating functionalities such as user registration, secure password hashing, and validation, providing a secure and engaging interactive experience for players.

Sudoku Game github.com/henrytran07/sudoku

February 2024 - May 2024

This Python program efficiently generates and solves Sudoku puzzles using a recursive backtracking algorithm.

Color Interpolation github.com/henrytran07/Color-Interpolation.git

February 2024 - May 2024

This project involves developing a C++ application that allows users to blend two selected colors using linear interpolation.