

# Shane Stevenson

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## OBJECTIVE

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Highly motivated second year student double majoring in computer science and mathematics at San Diego State University committed to learning new skills, and enhancing acquired skills. Strong foundation in mathematics, programming logic, as well as interpersonal communication and leadership. Seeking opportunities to advance my programming abilities and further my education.

## WORK EXPERIENCE

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### Research Experience for Undergraduates (REU)

May 2023 - July 2023

Undergraduate Researcher

Denton, TX

- Handled and processed large amounts of point cloud data retrieved from aerial UAV drones with LiDAR attachments
- Developed voxel grid data augmentation in order to enhance the quality of our dataset
- Developed a custom AI to recognize and count the number of trees in a given point cloud with an accuracy of 85%
- Utilized the TACC supercomputer to train a task adjacent model for future transfer learning use

### The Roxy Encinitas

Oct 2021 - Sept 2022

Head Busser/Barback

Encinitas, CA

- Worked in a fast paced environment, shuffling many different tasks at once
- Became the most senior busser/barback
- Called upon to train new employees
- Helped guests with any questions or concerns

## EDUCATION

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### San Diego State University

August 2022 - Present

Second year Computer Science and Mathematics double major

San Diego, CA

- Discrete Mathematics (MATH 245): A
- Intermediate Computer Programming (CS160): A
- Data Structures and Algorithms (CS 210): A-
- Calculus III (MATH 252): A
- Introduction to Linear Algebra (MATH 254): A
- Computer Organization (CS 240): In Progress
- Intro to Software Systems (CS 250): In Progress
- Linear Algebra (MATH 524): In Progress
- Mathematical Data Science (Math 596): In progress

### San Dieguito Academy

August 2018 - June 2022

High School Diploma

Encinitas, CA

- AP Computer Science A exam score: 5
- AP Calculus BC exam score: 4
- 10-12 GPA: 4.54 (Weighted)
- AP Scholar With Distinction

## PROJECTS

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- Server Administrator for the SDSU Machine Vision and Perception Lab
- Did research under an SDSU alumni on solving John H. Conway's Sylver Coinage game
- Developed a terminal based program that utilizes Open AI's "Whisper" to transcribe computer audio into closed captions for the user.
- Member of the SDSU Rocket Project

## SKILLS

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- Intermediate level Java programmer
- Intermediate level Python programmer
- Beginner level C++ programmer