

Dallas Abbott

Mathematician, Tutor, Future Engineer

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Summary

Mathematics-focused technical professional with experience in statistical analysis, robotics development, and systems improvement, delivering practical solutions that enhance performance and reliability.

Combines technical problem-solving, STEM instruction, and hands-on engineering experience across academic and industrial environments.

Skills

Technical Skills: Statistical Analysis • Robotics Design • C++ • 3D Modeling • Prototyping • Computer Building • Coding

Instructional Skills: Mathematics Tutoring • Science Tutoring • Academic Mentoring • GED Support

Operational Skills: Hydraulic Excavator Operation • Power Tools • Precision Measurement • Documentation

Work Experience

PARA-PROFESSIONAL GED TEACHER'S AIDE | Sterling Correctional Facility | 06/2024 - 01/2026

- Guided 15+ students to GED completion through targeted academic instruction and individualized support.
- Strengthened foundational math and literacy skills through structured classroom exercises.
- Maintained grading records, answer keys, and student documentation with accuracy.

ROBOTICS BUILDING TEAM | Trinidad State College | 11/2019 - 12/2022

- Designed, assembled, wired, and tested robotic systems for BACON and SWARM projects, improving prototype functionality and performance.
- Assisted with mechanical assembly, wiring integration, calibration, and iterative testing of robotic prototypes.
- Mentored team members on FROG/FLY projects and supported technical problem-solving.

LEAD TUTOR / STUDENT SUPPORT ASSOCIATE | Trinidad State Student Support Services | 09/2019 - 07/2022

- Delivered individualized instruction in algebra, calculus, statistics, and biology to improve student performance.
- Adapted teaching methods to diverse learning styles, increasing comprehension and retention.
- Supported students in achieving measurable academic progress across STEM coursework.
- Served as the college's first point of contact for applicants by scheduling advising appointments, conducting outreach surveys, and assisting walk-in students.

Education

Eastern New Mexico University

B.S. Mathematics coursework, Biology minor track
08/2022 - 05/2023

Trinidad State Junior College - Trinidad, CO

Associate of Science (Mathematics Focus)
08/2020 - 08/2022

Trinidad State Junior College - Trinidad, CO

Associate of Science
08/2018 - 05/2020

Hobbies

Sudoku, Philosophy, Classical Literature, Political Theory, Hiking, Camping, Bushcrafting, Video Games, Sneaker Collecting, 3D Printing, Coding, Computer Building, Chess