

NATHAN EWING

Automotive Engineering Student at Clemson University

nsewing@clemson.edu | 206-484-5827 | [LinkedIn](#)

PROFESSIONAL EXPERIENCE

Tech Trainee, Tesla, Honolulu

May 2025-August 2025

Supported vehicle servicing at Tesla Service Centers, performing hands-on technical tasks to ensure high-quality maintenance and repair.

Engaged directly with customers, applying strong oral and written communication skills in a fast-paced, customer-facing environment.

Gained practical experience in electric vehicle systems and Tesla's cutting-edge technologies, contributing to the company's mission to accelerate the transition to sustainable energy.

Collaborated with technicians and service advisors to diagnose and resolve technical issues, while continuously developing advanced mechanical and diagnostic skills.

EDUCATION

Automotive Engineering, B.S. 2028

August 2024-Present

Clemson University

3.8 GPA Dean's List

High School Diploma

August 2020-May 2024

Punahou School

Graduated with Honors

Automotive Technician Certificate

May 2022-August 2022

Ashworth College

Completed coursework covering automotive systems, including engine, transmission, brake, suspension, and electrical systems. Gained foundational knowledge in diagnostics, routine maintenance procedures, and repair techniques.

TECHNICAL SKILLS

Mig/Tig Welding

SolidWorks CSWA

Power & Hand Tools

Microsoft Office

ADDITIONAL EXPERIENCE

Rear Suspension Lead, Baja SAE

August 2024-Present

Directed a team of eight in the design and development of the rear suspension system for a competitive off-road vehicle. Oversaw CAD modeling in SolidWorks, kinematics analysis, and FEA in ANSYS, as well as hands-on fabrication including machining, welding, and assembly of suspension components. Optimized suspension geometry to improve handling and traction, selected materials and component designs for durability, and modified or reinforced parts to reduce failure under dynamic loads.

Volunteer Van Driver, ClemsonLIFE

September 2025-Present

Safely transport ClemsonLIFE students to and from worksites, supporting their career development and independence while representing the program's mission in the community.

Drift Trike and Off-Road Go-Kart, Punahou School

August 2022-June 2024

Drift Trike: Using a recycled bicycle, built a drift trike with integrated throttle control, braking system, power cutoff switch to enhance performance and rider control, and capable of speeds up to 20 mph.

Go-Kart: Built an electric off-road go-kart with double A-arm front suspension and trailing arm rear suspension.

Outdoor Education Mentor, Punahou School

August 2021- June 2024

Led 300 students through educational activities based on native Hawaiian culture. Educated students on sustainability, environmental practices, and the diverse ecosystems of protected lands through hands-on activities. Successfully built a strong community by connecting students and deepening their appreciation for the community and the special environment of Hawaii.