

Sean T Nguyen

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EDUCATION

Texas State University | San Marcos, TX

August 2024 - May 2028

- Bachelors of Science in Mechanical Engineering | Minor in Physics
- Overall GPA: 3.58
- Dean List's Honor Recipient (Multiple Semesters)
- Relevant Coursework: Statics, Dynamics, Materials Engineering, Mechanics of Materials, and Calculus III

EXPERIENCE

91B Wheeled Vehicle Mechanic

Sept 2020 – Apr 2024

United States Army, Fort Hood, TX

- Honor Graduate of 91B AIT for Delta Company, 16th Ordnance Battalion.
- Granted U.S. Secret Clearance for operations; involved in Operation EUCOM, stationed in Mihail Kogălniceanu Airbase, Romania (Nov 2021 – Aug 2022).
- Held a leadership position (Army Sergeant E-5) managing teams in high-pressure environments, while maintaining meticulous records of repairs, services, and inspections.

Cohort 56 Student Technician

Oct 2023 – Feb 2024

General Motors (GM) Shifting Gears Program, Fort Hood, TX

- Trained in diagnostics and repair of powertrain, electrical, HVAC, and chassis systems using GM-specific tools (GDS2, Techline Connect).
- Completed ASE A6 Electrical Certification Test for vehicles up to Class III.
- Collaborated with GM master technicians to perform safe, high-quality repairs aligned with manufacturer standards.

NASA L'Space | Remote

Sept 2024 - Apr 2025

General Motors (GM) Shifting Gears Program, Fort Hood, TX

- Mission Concept Academy (Team 27, Electrical Engineer): Contributed to electrical subsystem design through mission phases (MCR-PDR); collaborated with NASA mentors to improve reliability and risk mitigation.
- Proposal Writing Academy (Team 43, Project Manager): Managed 8-member team; co-authored proposal for NASA MSFC; served as Review Panel Chair and Secondary Reviewer.

SRO Intern

Apr 2025

SRO Motorsports America, Del Valle, TX

- Supported scrutineering, tire allocation, and Parc Fermé operations.
- Ensured compliance with technical and competition regulations in collaboration with engineers and officials.
- Assisted in grid and pit lane operations, coordinating vehicle staging and ensuring teams adhered to time-sensitive race procedures.

ACTIVITIES

- American Society of Mechanical Engineers – Member
- TXST Veterans Upward Bound Program – Member
- Bobcat Racing - Member
- Hobbyist Mechanic and Assistant Diesel Technician at Aloha Trucking LLC, Buda, TX

SKILLS

Programming and Software

- Microsoft (Excel, Word, Power Point), SolidWorks, Siemens NX, Python

Automotive Skills

- Shielded Metal Arc Welding, Soldering, Petrol and Diesel Engine Repair/Overhaul, Automotive Electrical (ASE A6 Electrical), and Diagnostic & Troubleshooting

Languages

- English, Vietnamese