

Logan Davis

(512) 839-7023 | LoganDDavis02@gmail.com | [linkedin.com/in/LoganDDavis](https://www.linkedin.com/in/LoganDDavis)

EDUCATION

Texas A&M University, Mays Business School College Station, Texas
Master of Business Administration Expected Graduation: Aug 2026 | Available Full-Time: May 2026

Texas A&M University, College of Engineering College Station, Texas
Bachelor of Science in Manufacturing & Mechanical Engineering Technology May 2025

EXPERIENCE

HAAS Factory Team NASCAR Racing Charlotte, North Carolina
Mechanical & Manufacturing Engineering Intern Jun 2025 – Aug 2025

- Programmed and operated 7-axis Hexagon Romer Absolute CMM with Autodesk PowerInspect to model and inspect 100+ vehicle parts weekly, including suspension, drivetrain, and chassis components
- 3D scanned vehicle bodies, developed aero bodywork heat maps with GOM and modified aero kit to optimize drag and/or downforce for specific tracks
- Performed 200+ brake caliper hardness and load tests to correlate mileage, age, and fatigue with caliper performance; top performing calipers installed on competition vehicles
- Fabricated and installed a custom hanger system for air intake ducting in a dynamometer cell
- Used Excel macros and Python to consolidate chassis and suspension CMM data, calculated real-world setup parameters, and collaborated with setup engineers on suspension geometry and race setup

Texas A&M University Formula SAE Racing College Station, Texas
Powertrain Engineering Team Lead, CNC Machinist, Welder Aug 2024 – Jun 2025

- Led a team of 9 engineers to design from scratch, build, test, and tune a powertrain subsystem for a formula class vehicle, raced at competition, placing 2nd globally and 1st among U.S. teams out of 115+ universities
- Fitted and welded equal length CP-1 titanium headers, 4130 Cr-Mo chassis and A-arms, aluminum intake, oil pan and fuel cell; shaved ~15 lbs. and lowered vehicle center of gravity by ~5%
- Programmed Haas TL-2 CNC lathe with Mastercam and machined custom hubs, carbon fiber rod inserts, anti-roll arm blades, titanium exhaust flanges, and precision fixturing tools up to ± 0.0005 in tolerances
- Leveraged SolidWorks to design and optimize custom performance parts to minimize engine throttle response and drivetrain losses, while decreasing utilized weight and frontal area
- Mentored team engineers on engine assembly, powertrain integration, and vehicle maintenance

National Oilwell Varco (NOV, Inc.) Navasota, Texas
Mechanical Engineering Intern Jun 2024 – Aug 2024

- Modeled and simulated parts in SolidWorks; created detailed part/assembly drawings and bill of materials for production, used Excel solver to perform cost analysis and choose vendors for minimizing material costs
- Designed pipelines and structural supports for a 5MW electric reciprocating-piston fracking pump operating at 15,000 PSI and 500 GPM
- Engineered a permanent hazardous wastewater pumping system, supporting safe and continuous operations

National Oilwell Varco (NOV, Inc.) Cedar Park, Texas
Production Welder Aug 2022 – Sept 2023

- TIG welded and surfaced structural frames, tooling, and stainless-steel enclosures for sensitive electronics
- Fabricated custom welding jigs, increasing production throughput by 15% while improving dimensional consistency and reducing rework/scrap, inspection time, and overall cost
- Conducted nondestructive testing and introduced production logs to support product quality and traceability

SKILLS & INTERESTS

Technical Skills: SolidWorks, Welding & Fabrication, CNC Machining (Milling & Turning), CMM, 3D Scans

Interests: Design-Build-Test Engineering, Classic Car & Machinery Restoration, Hiking, Personal Fitness