Trevor Schnedler, EIT

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Skills

- Software – SolidWorks CAD, SAP & Windchill, Python, MS Office
- Fabrication –Tig welding, CNC waterjet, plasma table, manual mill and lathe
- Mechanics – Automotive and motorcycle repairs
- Video Production – Live broadcast events and recorded productions

Engineering Work Experience

Quality Engineer, Albany Engineered Composites – Boerne, TX   June 2024 – February 2025

- Interpreted 2D part drawings and 3D CAD model definitions
- Produced AS9102 First Article Inspection Reports
- Produced QC work instructions, check fixtures, and assembly tooling to ensure part compliance
- Facilitated audits from customers and certification bodies
- Performed defect containment, mitigation, RCCA

Engineering Intern, Crash Engineer LLC – San Antonio, TX   June 2023 – April 2024

- Assisted in 25+ investigations of motor vehicle collisions with ongoing litigation
- Inspected commercial and passenger vehicles to recover vital evidence
- Collected critical 'black box' data and performed kinematic analysis of collisions
- Captured and processed Faro 3D laser scans of collision sites and vehicles for event reconstruction

Advanced Manufacturing Engineer Intern, Peterbilt – Denton, TX   Summer 2022

- Fabricated prototype parts to ensure proper fitment before procuring tooling
- Evaluated new designs for impact on production (time studies, Poka-Yoke, installation accessibility)
- Met with suppliers to address ongoing defects

Additional Work Experience

Broadcast Camera Operator, Revvolution LLC – Austin, TX   March 2024, April 2025
Kitchen Staff, Front Porch Bar and Grill – Bulverde, TX   2017-2019
Videographer, Verse by Verse Ministries – San Antonio, TX   2016

Design Projects

Engineer and Driver – Texas A&M Baja SAE Cars   2021-2023

- Design and fabrication from scratch of two unique, single seat off road race cars
- Worked with complex SolidWorks assembly designs and FEA stress simulations
- Responsible for ergonomics and controls of chassis - steering column, driver restraints, seat mount, controls
- Applied real world tests to iterate on & validate design (chassis torsional rigidity, ergonomics test with rebar frame)
- Developed Python simulation program for CVT performance and tuning parameters

Education

Texas A&M University – B.S. Mechanical Engineering | *Magna Cum Laude*   May 2024
Skip Barber Racing School   June 2019

Certifications

Engineer in Training (EIT) – Texas Board of Professional Engineers and Land Surveyors   EIT #82156
FAA Part 107 Remote Pilot   Certificate # 4875226