Trevor Schnedler, EIT

trev.schnedler@gmail.com

Skills

- Software – SolidWorks, SAP, Windchill, Python, MS Office
- Fabrication – Tig welding, 2D Plasma CNC, manual mill and lathe
- Mechanics – Comprehensive motorcycle and automobile repairs
- Video Production – Live broadcast events and recorded productions

Engineering Work Experience

Quality Engineer, Albany Engineered Composites – Boerne, TX   June 2024 – Present
- Work with AS9100 Quality Systems to ensure consistent quality
- Produce AS9102 First Article Inspection Reports
- Serve on material review board for part dispositions
- Support customer audits and supplier quality relations
- Perform defect containment and RCCA

Engineering Intern, Crash Engineer LLC – San Antonio, TX   June 2023 – April 2024
- Assisted in 25+ investigations of motor vehicle collisions with ongoing litigation
- Conducted commercial and passenger vehicle inspections to recover vital evidence
- Captured and processed Faro 3D laser scans of collision sites and vehicles for reconstruction
- Imaged and analyzed event data recordings with critical 'black box' data

Advanced Manufacturing Engineer Intern, Peterbilt – Denton, TX   Summer 2022
- Fabricated prototype parts to ensure proper fitment before procuring cast tooling
- Evaluated new designs for impact on production (time studies, Poka-Yoke, installation accessibility)
- Enforced use of standardized fasteners in new designs

Additional Work Experience

Broadcast Camera Operator, Revvolution LLC – Austin, TX   March 2024
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 for 2022 and 2023 cars
- 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)
- Implemented a continuously variable transmission (CVT)
- Developed Python simulation program for CVT performance and tuning parameters

Education

Texas A&M University – B.S. Mechanical Engineering   May 2024
Magna Cum Laude

Certifications

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