

JAKE CRAVEN

Associate Accident Technician

Accident Reconstruction Support | Scene & Vehicle Documentation | Mechanical Systems & Component Inspection
jake.craven@kerleyreconstruction.com | www.kerleyreconstruction.com | Updated September 26, 2026

PROFESSIONAL PROFILE

Associate Accident Technician with Kerley Reconstruction LLC supporting accident reconstruction assignments through scene and vehicle documentation, mechanical inspection support, evidence organization, and technical case preparation. Jake joined Kerley Reconstruction in August 2026 and has brought more than nine years of hands-on experience in industrial fabrication, welding, precision machining, rotating-equipment maintenance, and component inspection.

CORE EXPERTISE

- Accident Reconstruction Support: scene and vehicle documentation, evidence organization, measurements, damage observations, component identification, and technical case preparation
- Precision Measurement & Machining: manual and CNC machine setup, surface grinding, CAD/CAM, G-code, blueprint interpretation, GD&T, and precision measurement
- Quality Control & Technical Documentation: inspection records, service documentation, final-assembly verification, repair reporting, and adherence to specifications and tolerances
- Mechanical Systems & Component Inspection: rotating equipment, industrial assemblies, dimensional inspection, runout documentation, alignment, and condition assessment
- Welding & Fabrication: TIG, MIG, flux-core, oxy-acetylene, automated weld overlay, and repair of carbon steel, stainless steel, aluminum, and specialty-alloy components
- Field Safety & Equipment Reliability: safe work practices, preventative maintenance, mechanical troubleshooting, equipment preparation, and support for NDT and PMI examinations

ACCREDITATION, CERTIFICATIONS, AND PROFESSIONAL AFFILIATIONS

Professional Affiliations	National Association of Professional Accident Reconstruction Specialists (NAPARS); Texas Association of Traffic Accident Reconstruction Specialists (TAARS)
Federal Aviation Administration	Remote Drone Pilot No. 5284736

PROFESSIONAL EXPERIENCE

KERLEY RECONSTRUCTION LLC

2026-Present*Associate Accident Technician*

- Support accident reconstruction assignments through scene and vehicle documentation, mechanical-component inspection support, evidence organization, measurements, damage observations, and technical case preparation.
- Assist with technical analyses involving speed calculations, time-distance considerations, human factors elements, EDR/black box imaging support, energy/damage profiles, lamp examinations, occupant kinematics, and video-based speed analysis.
- Prepare photographs, inspection notes, component descriptions, measurement records, and other technical materials for reconstruction review and reporting.
- Document vehicle and scene evidence through structured photographs, measurements, damage observations, roadway evidence notes, drone-assisted mapping support, and organized case materials for reconstruction review.
- Prepare technical materials, case notes, evidence summaries, photo descriptions, and exhibit-support documentation; support Toyota GTS+ and vehicle-information workflows through data preservation and case-file organization.

RPM SERVICES, INC.
Centrifuge Technician

2024-Present

- Perform complete disassembly, inspection, dimensional recording, repair or replacement, and reassembly of centrifuge components in accordance with original equipment manufacturer specifications.
- Verify the conformity and performance of reconditioned parts using precision measurement tools, inspection techniques, shaft and belt alignment, and shaft balancing to required tolerances.

DUMESNIL FARMS (FAMILY FARM)
Operations Manager

2022-2023

- Performed hands-on repair, preventative maintenance, and mechanical troubleshooting of farm equipment to support safe and reliable daily operation.
- Managed the intake, handling, and distribution of live crawfish while maintaining equipment functionality, workflow efficiency, and quality control from receipt through delivery.

UNIVERSAL PLANT SERVICES
Contract Welder

2022-2022

- Performed precision hand welding and set up and operated automated weld-overlay equipment on critical components within the Frac Tower and Coker units at the PEMEX Deer Park facility.

TRINITY TURBINE TECHNOLOGY/SERVICES, LLC
Millwright | Welder | Fabricator

2019-2021

- Performed weld repairs on heavy-industrial gas-turbine components, including buckets, nozzles, and compressor-case hook fits, while maintaining dimensional integrity and compliance with repair specifications.
- Supported field-service maintenance outages on six MS7001B General Electric combustion turbines, including turbine disassembly and reassembly, compressor-case hook-fit repairs, and exhaust-case and duct weld repairs.

NICKELL METALSMITHS LLC
Fabricator

2016-2019

- Performed precision fabrication and repair welding on aluminum, steel, and stainless-steel assemblies using multiple welding processes.

EDUCATION

Texas State Technical College Waco, TX	Associate of Applied Science, Welding Technology
Texas State Technical College Waco, TX	Associate of Applied Science, Precision Machining Technology