

# CAREER OPPORTUNITY

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## PROJECT ENGINEER – BIOMECHANICAL ENGINEERING

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### Compensation & Benefits

- Industry competitive salary
  - Medical, dental, and vision insurance
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### Position Overview

Design Research Engineering LLC (DRE) is seeking a **Project Engineer in Biomechanical Engineering** to join our Tomball, Texas team. This is a **full-time, permanent position** with immediate availability. The ideal candidate is a highly driven professional with strong technical expertise in biomechanics and a passion for applying scientific analysis to real-world engineering challenges.

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### Position Details & Requirements

- Master's or Ph.D. in Biomechanics, Bioengineering, or Mechanical Engineering (required)
  - Full-time, permanent position based in Tomball, TX.
  - On-site position
  - Ability and willingness to travel frequently, primarily within the United States
  - Immediate availability preferred
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### Key Responsibilities

- Evaluate human motion, injury mechanisms, and injury potential across a wide range of incidents, including identifying opportunities for injury prevention or mitigation
  - Conduct detailed reviews of technical and non-technical materials, including witness statements, testimony, investigative files, photographs, and medical records
  - Extract, synthesize, and clearly communicate critical findings through concise written summaries, internal reports, and client presentations
  - Perform in-depth research and analysis of biomechanical and scientific literature, including test data related to human kinematics and injury outcomes
  - Plan and conduct vehicle and crash simulator (HYGE sled) testing using human participants and/or anthropomorphic test devices (crash test dummies)
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### Capabilities & Strengths

- Strong leadership and project management skills
  - Proven ability to manage large-scale, complex projects while collaborating effectively with internal teams and clients
  - High level of initiative and independence; ability to thrive in a small-team environment with minimal supervision
  - Excellent written and verbal communication skills, with the ability to explain complex biomechanical concepts to both technical and non-technical audiences
  - Professional, clear, and polished presentation and reporting style
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### About Us

**Design Research Engineering LLC (DRE)** is a trusted engineering consulting firm with offices in Novi, Michigan, and Tomball, Texas. Founded in 1996, DRE has built a strong reputation for delivering high-quality engineering analysis and expert insight across multiple industries.

Our team specializes in investigating and evaluating automotive, marine, and consumer product incidents. Our work includes accident reconstruction, mechanical and structural failure analysis, and litigation support on complex, technically demanding cases.

At DRE, we combine deep technical expertise with a commitment to precision, integrity, and exceptional client service. We offer employees the opportunity to work on challenging, meaningful projects in a collaborative environment, along with competitive compensation and comprehensive benefits.

🔗 Learn more at [www.dreng.com](http://www.dreng.com)

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### How to Apply

Please submit your current resume to: **Amy Bumbaugh** ✉ [bumbaugh@dreng.com](mailto:bumbaugh@dreng.com)

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