



**Position:** Forensic Injury Biomechanics - Biomechanical Engineer – Entry Level

**Post Date:** May 16, 2023

**Position Description:** Vector Scientific, Inc. (VSI) is looking for an entry level candidate who is a recent graduate (MS or PhD) or has 1-3 years of work experience after graduation. Forensic injury biomechanics is an applied science analyzing human dynamics and injury mechanics in real-world accidents. The vast majority of the work focuses on occupant dynamics and injury biomechanics in motor vehicle collisions integrating vehicle dynamics, occupant kinematics, injury mechanics, and restraint system use and effectiveness. There is also some work analyzing industrial/occupational and sport/recreation accidents. Tasks involve documenting evidence from accident scenes and vehicles, photography, 3D laser scanning, and exemplar vehicle and surrogate occupant studies, review of medical records, injury mechanism analyses, and assessment of alternative scenario outcomes. The entry level person will work as part of a team in support of a senior biomechanist. In addition to on the job training there will be continuing education required in the form of both online and in-person technical courses, seminars, and conferences.

**Degree Requirements and Qualifications:**

- Master’s of Science (MS) or Doctorate (PhD) degree in Biomechanical Engineering, Mechanical Engineering with a research focus on injury biomechanics, Biomechanics/Kinesiology, or a closely related science.
- Strong analytical and problem-solving skills; the ability to work independently; self-motivated and self-disciplined; outstanding oral and written communication skills; able to interact effectively with technical and non-technical people; the desire to continue to learn; and the ability to acquire, integrate, and apply knowledge.
- Successful candidates are persons willing to be challenged, roll up their sleeves, think, solve problems, and work as part of our talented team.
- Specialized education and/or research experience in injury biomechanics in motor vehicle collisions is preferred.

**Salary:** Competitive salary commensurate with the candidate’s education, training, background, and experience. Benefits package includes paid holidays, PTO (Paid Time Off), a health plan (medical/dental/vision), and a 401(k)-retirement plan.

**Company:** Vector Scientific, Inc. (VSI) provides high-quality forensic consulting services in the areas of injury biomechanics and accident reconstruction in motor vehicle, industrial/occupational, and sport/recreation accidents. VSI promotes employee and company growth through education, research, and a teamwork approach to scientifically analyze case-related issues and forensic questions. VSI is a private company with a 30+ year history: [www.vectorscientific.com](http://www.vectorscientific.com)

**Location:** VSI is located in Golden, Colorado. Our location and surrounding areas are desirable places to live with close proximity to the amenities of Denver, the Front Range, and the Rocky Mountains that are especially attractive to persons with active outdoor lifestyles.

**Apply:** Send a letter of interest, resume, and three references to: [jwheeler@vectorscientific.com](mailto:jwheeler@vectorscientific.com)