



Job Description

Job Title: Design and Test Engineer

Department: Engineering

Reports To: Engineering Lead/ CEO

ABOUT HEAD RUSH TECHNOLOGIES

Are you ready to power epic adventures? Based 15 minutes from beautiful Boulder, Colorado, Head Rush Technologies is on a mission to power the most epic adventures in the world. Leveraging our passionate approach to adventure safety, we create and service clearly superior products and solutions for businesses at height. This includes innovative equipment for the outdoor, amusement and recreation industries.

Being the first company to bring technology from trains, elevators and roller coasters into the climbing arena, we are best known for our application of eddy current braking in products such as our TRUBLUE Auto Belay, as well as our QUICKjump Free Fall Device and zipSTOP Zip Line Brake.

It's not just our products that set us apart though. At Head Rush Tech, we believe in connecting passion with purpose. To do this, we partner with climbing's biggest stars, film festivals and advocacy organizations to grow the sport of climbing by promoting better access and inclusiveness. What else do we stand for? We value our customers and collaboration, see problems as opportunities to drive results, and relentlessly focus on quality. Most importantly, at Head Rush Tech, we love what we do and why we do it.

SUMMARY

Head Rush Technologies is looking for a motivated, independent, and creative engineer to help develop products and test procedures. We foster a collaborative definition and design environment utilizing innovative tools and processes. We offer the most tested, most trusted devices in the market, and strive to improve upon that status constantly.

Can you analyze and find ways to improve on an existing operation? Are you passionate about empathic design processes and design thinking? Do you want to help envision and develop radical new test processes? Are you ready to stand up to the challenge of completely rethinking the way adventures are experienced?

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following:

- Execute the design, analysis, and/or test planning for components or systems in support of the next generation in state-of-the-art adventure products
- Design, build, and run new qualification and certification tests
- Develop products from initial concept to full scale production
- Assess and help define the key design requirements
- Work collaboratively with team leaders and other team members to regularly share progress along a plan as well as technical learnings
- Substantiate designs using relevant design practices
- Present work to subject matter experts and program leaders at technical reviews
- Complete clear and thorough written documentation of work
- Stay current with competitors within the adventure equipment market
- Other duties as requested

REQUIREMENTS:

- 2-5 years of experience in a product development environment
- Excellent written and verbal communication skills with a professional demeanor
- Experience with 3D Modeling and accompanying PDM platform
- Experience with test and instrumentation software
- Ability to understand project requirements at a deep level
- Is flexible and a team player
- Takes initiative, detail-orientated, and able to prioritize and balance multiple projects simultaneously
- Bachelor's degree in mechanical engineering (or equivalent)

PREFERRED QUALIFICATIONS

- Experience in climbing, zip lining, adventure, tourism and/or recreation industries
- Experience working at height and rope rigging
- A summary portfolio of non-confidential previous work

- Working knowledge of SOLIDWORKS, SOLIDWORKS PDM
- Experience with LabVIEW
- Geometric Dimensioning & Tolerancing (GD&T) knowledge

SALARY RANGE

\$65,000 - \$80,000 DOE

RESPONSES

At Head Rush Technologies, we offer a positive work environment with competitive pay commensurate with experience. Responses will be considered from candidates that have the required experience and demonstrated qualifications described. **To apply email your resume, a cover letter, and portfolio to luke.smith@headrushtech.com.**