Our growing company is searching for experienced candidates for the position of principal system engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for principal system engineer

- Acquire and post-process vehicle noise data using Head Acoustics
- Perform sofware and hardware testing of development designs both on a bench and in-vehicle
- Perform a multi-disciplinary approach to tailor Range Safety Requirements documentation (RCC-319, RCC 324, AFSPCMAN 91-710, etc) with various Ranges and associated responsible engineering disciplines
- Schedule and manage Systems Safety related activities for the programs/missions to which you are assigned
- Generate and maintain required Range/Systems Safety documents (such as Range Safety System Report (RSSR), Missile System Prelaunch Safety Package (MSPSP), Flight Safety Plan (FSP), Safety Assessment Report (SAR), Hazard Assessment Report (HAR), etc) for each mission
- Generate and present Systems Safety status charts at Program Review meetings, Customer Review meetings, and Range Safety Working Group (RSWG) meetings, or Technical Interchange Meetings (TIMs)
- Apply engineering principles to assess design Range Safety compliance of a complex aerospace system, and synthesize rationale and justification for Range Safety Waiver requests and hardware non-compliances to Range Safety Requirements
- Independently identify technical issues, propose solution options, document and brief these solutions and follow through to resolve the issues with minor supervision
- Manage a system safety program

Qualifications for principal system engineer

- Work knowledge of design/technology tradeoffs relating to cost, efficiency, safety, certification and manufacturability
- Cross domain Aerospace and Avionics product and technology knowledge
- Aircraft piloting and ATC control operational experience a plus
- Experience in project engineering leadership and management
- Process focus with ability to use tools and processes to define business CTQs and optimize technology selection and development
- Proven records of Integrative thinking and innovative mindset in project delivery