Our growing company is looking to fill the role of senior lead engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for senior lead engineer

- Analysis, design and development of software for real-time applications on a Linux platform using C and/or C++
- Lead a team of engineers working to perform compliance, testing and verification tasks needed to collect certification documentation
- Evaluate, recommend, report, and present Technical Evaluations, improve current products, and provide support documentation for new technologies and recommended approaches
- Provide accuracy of delivered and coded software tasks and problem fixes
- Prepare each delivered NG-DART executable and other software development to current code's run-time speed to match or improve GFI executable, using the same software and hardware configuration, data file, specified output, and a cached execution
- Conduct Factory Qualification Test (FQT) and support independent validation & verification (IV&V)
- Integrate, maintain, and support SDSSIM, OAMS training tools, NG-DART, and next generation of software development and tools
- Participate and provide comments and recommendations for peer reviews, adjudication meetings, and document reviews for critical systems interface documents
- Create, modify, maintain, document, and provide configuration control of hardware and software products for existing configurations, new releases, change requests, and reports of defects

for implementation of new technologies, prototyping, demonstration of software applications, solutions, and tools

Qualifications for senior lead engineer

- Experience in analysis of biomedical data sets by using public software packages
- Familiarity with build systems, version control and other standard development tools
- Experience in genomic data analysis, development of sequence analysis tools (bioinformatics programming) & pipelines, evaluation of analytical tools and technologies, and delivering training to the research community
- Competence in advanced technical writing techniques and strong verbal and presentation skills, including the ability to brief using PowerPoint and/or speaking extemporaneously
- Flexibility and adaptability to evolving project needs
- Ability to apply standard statistical approaches, and to contribute to the development of novel computational tools