Our growing company is looking to fill the role of computer scientist. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for computer scientist

- Conduct scientific research in specific molecular modeling or cheminformatics areas applicable to drug discovery
- Work with domain scientists to utilize HPC resources at NERSC
- Develop workflow tools to conduct parameter searches for simulation codes
- Work with domain scientists to develop novel data analytics methods
- Design, implement, test, and maintain moderately complex scientific and/or web-based software, used to predict and analyze the transport and fate of hazardous material released into the atmosphere
- Integrate new software capabilities into a robust real-time operational environment using software development tools such as JavaScript, TypeScript, Node.js, and/or Angular, and software tracking tools (e.g., JIRA) and version control systems (e.g., BitBucket)
- Implement and work with large meteorological, geospatial, and physical/chemical material property databases
- Perform analysis of user requirements in the development of the application and system functionality
- Partner with scientists to define and design new software and modeling capabilities
- Conduct software analysis and high-level design of software components to meet application requirements

Qualifications for computer scientist

- Comprehensive knowledge of computer networking, systems software, and

- Considerable skill in the solution of computational science problems on distributed and scalable parallel computers
- Considerable ability to create, maintain and support high-quality software
- Good experience and skills in interdisciplinary research involving computer scientists, mathematicians, and discipline scientists
- 3+ years of experience developing software in high-level languages, including Matlab, C++, and C#