Temporary Software Developer

Synopsis

SLR International Corporation is seeking a Computer Science student or recent graduate to join our Fort Collins office in support of a software development project this summer. Preferable candidates will have a strong, relevant academic and/or employment background. This part-time position is an excellent opportunity to contribute to a dynamic and growing international environmental consulting organization. The candidate selected for this role will primarily work independently to develop a Python-based hydrocarbon storage tank fluid dynamics modeling system, with guidance from SLR staff.

Required Technical Skills and Experience

- Actively enrolled in or recently graduated with a Bachelors of Science in Computer Science, or related degree
- Ability to work part-time in our Fort Collins office location from June-August 2018
- Demonstrated expertise with the Python programming language
- Demonstrated familiarity with writing unit-tests for development projects
- Demonstrated ability to work independently on development projects
- Demonstrated ability to write clear, maintainable code
- Effective written/verbal communication and organization/analytical skills

Preferred Technical Skills and Experience

- Familiarity with Python testing frameworks including unittest and pytest
- Familiarity with Python Flask microframework
- Experience with fluid dynamics computations a plus
- Experience with front-end and back-end web development, REST API development a plus
- Familiarity with SQL databases a plus
- Experience with Microsoft Visual Basic for Applications a plus
- Experience with oil industry production a plus

Preferred Personal Attributes and Traits

- Logical and methodical problem solving skills
- Ability to take general direction from staff and run with it
- Ability to maintain self-paced schedule to complete the project on the expected timeline
- Rigorous adherence to programming best practices and standards
- Attention to detail
- Strong technical communication skills

Responsibilities

- Development and completion of a proprietary fluid dynamics modeling system upgrade that will be used for engineering analyses of hydrocarbon storage tank systems
- Work under direct supervision of SLR engineers who will review code and evaluate the performance of the modeling software against expected behavior
- Produce unit-tests in tandem with core component development
- Provide a completed system upgrade by the end of the summer

**About SLR**

SLR is an independent and employee controlled international environmental consultancy that has an unrivaled reputation for providing high quality tailored services. We are a dynamic, responsive and fast growing company with an expanding network of offices in North America, Europe, Australasia, and Africa. SLR serves the key business sectors of energy, industry, waste management, mining & minerals, infrastructure, and planning and development.

*SLR is an Equal Opportunity / Affirmative Action Employer*