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