Protecting
the Vulnerable™

POSITION SPECIFICATIONS

Software Engineering Intern
5/27/21

Invested in the future of
safety and efficacy.

ABOUT OUR COMPANY

Mesa Laboratories, Inc. (Mesa) is a global technology innovator committed to solving some of the most critical quality control and analytical challenges in the pharmaceutical, healthcare, industrial safety, environmental, food and beverage industries. Mesa offers products and services through four divisions (Sterilization and Disinfection Control, Instruments, Cold Chain Monitoring and Cold Chain Packaging), which help our customers ensure product integrity, increase patient and worker safety, and improve quality of life.

Today, each of Mesa's products and services play a role in ensuring the safety and efficacy of the products we use every day. No matter if it's the environment, products or people, Mesa is committed to Protecting the Vulnerable™.

Founded in 1982, Mesa went public in 1984. After 10 years of more than 15% growth per year, the company now has revenue approaching $100M and a market cap of approximately $750M. Our growth is attributed to the 350+ dedicated employees who follow our customer-focused, lean-based value system, called *The Mesa Way!*. The Mesa Way! is based on four pillars that drive our work every day:

<u>Measure what Matters</u>: We take the customer's perspective, our "True North", both to measure what matters most to customers and to set absolute standards for performance. We manage to leading indicators, which drive us to proactively avoid problems.

<u>Empower Teams</u>: We move decision making as close to the customer as possible and provide the structure and real time communication forum to align the whole organization behind surpassing customer expectations.

<u>Steadily Improve</u>: We leverage a common and proven set of lean-based tools to prioritize our biggest opportunities, address those opportunities at root cause, and quickly implement change.

<u>Always Learn</u>: We ensure that improvements are sustained, enabling us to raise performance expectations and repeat the cycle of improvement. Equally, this cycle strengthens the Mesa team by providing endless learning opportunities for our employees and helps us to become an employer of choice in our communities.

Mesa Labs is located in the Denver area. [Learn on what Denver has to offer here](#).

Position:	Mesa Software Engineering Internship
Location of Position:	Lakewood, CO
Onsite/Remote:	Onsite only
Reporting Relationship:	This position reports to the Software Engineering Internship Leader
Job Classification:	Hourly
Supervisory Responsibilities:	None
Internship Length:	14 weeks
Start Date:	Flexible
Hours per week:	40 hrs
Scope of Position:	We are looking for eager, motivated individuals to take on a variety of engineering tasks here at Mesa Labs. These tasks include updating Windows applications using Visual Studio and the .NET framework and working closely with lab test equipment such as DMMs, Power Supplies, and Oscilloscopes to execute test plans that validate other projects being developed at Mesa Labs.
Essential Duties	Core duties and responsibilities include, but are not limited to, the following:

- Executing Test Plans and performing Smoke Testing for Next Generation VPx Sensor, Com Manager, Calibration Software, Configuration Software.
- Fix bugs and add features to Calibration Certification Tool, VPx Calibration Software, VPx Functional Test Software, VPx Log Analyzer Tool.
- Mobile Applications?
- Look into replacing graphing engine used in current configuration and calibration software.
- Long term battery test to monitor power usage across all product offerings.
- Self-guided project with presentation at the end of internship.

Qualifications: The following are the required and preferred skills for the internship.

Required Knowledge:
- Visual Studio
- C++, Java or other OOP language
- Microsoft Office

Preferred Knowledge:
- Visual Basic
- .NET
- Python
- Software Testing/Validation best practices
- DMMs, Power Supplies, Oscilloscopes
- Android Studio
- Azure
- Raspberry PI
- Experience working in a team environment and sharing responsibilities
- Good communication skills – written/verbal

Education:
Working on or completed a 4 year bachelor degree.
Preferred Degrees:
- Computer Science
- Computer Engineering
- Electrical Engineering

The Mesa Way!
Expectations:
This position is an **Individual Leader** focused on individual accountability, teamwork, and cross-functional collaboration. Leadership by example at every level. Proactive daily management.

Physical Demands:
While performing the duties of this job, the employee is regularly required to stand or sit for extended periods of time. If reasonable, requests regarding ergonomic concerns will be considered. For individuals with disabilities, accommodations may be made to perform the essential functions. Occasional lifting is required.

Work Environment:
The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

This is a high volume, high energy manufacturing facility that works to meet manufacturing deadlines. An enthusiastic, positive attitude is highly encouraged and conducive to a productive successful atmosphere. Common sense judgments and problem solving is desirable. Must have the ability to handle repetitious and tedious job functions.

A typical office environment and biological laboratory environment comprise the bulk of the work environment for this position. The noise level in the work environment is moderately quiet.

Compensation:
$20 hourly wage

To Apply:
Interested candidates should email their resume to:
internshipprogram@mesalabs.com

Mesa Labs is an Equal Employment Opportunity Employer.
Mesa Labor prohibits unlawful discrimination and harassment against applicants or employees based on age, race, sex, color, religion, creed, national origin or ancestry, disability, military status, sexual orientation, or any other status protected by applicable state or local law.