

## **Data Architect - Intern**

Ion Storage Systems seeks a part-time, Data Architect Intern to establish a database for pilot scale production and development of next generation batteries. The Data Architect Intern will work with team leaders to develop a database architecture to capture production and test data. The database will be used for product development, process improvement and quality management. The database must be user friendly, secure, and preferably meet FDA, DoD, or ISO 9001 standards. Tasks will include planning database architecture, establishing data entry interfaces, beta testing, user training, and database maintenance. Similar experience is highly desirable. The Data Architect Intern will work closely with other engineers and scientists as part of a fast-moving, cross-functional R&D team. The position is hourly with schedule-based incentives.

Ion Storage Systems is a rapidly growing, start-up company developing breakthrough lithium battery technology based on discoveries made at The University of Maryland. The company is committed to developing products that improve performance and safety in a variety of applications including electronics, transportation and storage. The company offers an inclusive environment and encourages work/life balance. Ion Storage Systems is based in College Park, Maryland.

### **Key Responsibilities:**

- Perform all work in adherence to company environmental, health and safety guidelines and maintain cleanliness of work areas
- Design and implement database architecture
- Develop user-friendly interface for data entry
- Tests and debug database
- Test database accuracy and security

### **Required Qualifications:**

- > 2 years enrollment in Computer Science program
- Experience with front end form creation and design
- Experience with automated reporting
- Experience setting up runtime environments for entering data from independent user devices to the main server
- Ability to clearly and effectively communicate in writing and orally

### **Preferred Qualifications:**

- Experience with database architecture development and implementation
- Familiarity with laboratory or manufacturing environments and data collection protocols
- Experience with MiniTab, JMP, DesignExpert, and other statistical data analysis and plotting software

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