

## ***10DQ Internship Description – Summer 2026***

**Position title:** Battery Chemist Intern

**Company name:** 10DQ

**Location:** Onsite, full-time (35 – 38 hours per week) – Somerville, MA

**Term:** Summer 2026 (with potential extension to future terms)

### **About:**

10DQ is on a mission to enable clean, reliable, carbon-free power and energy resilience through development of safe & affordable technology for long-duration energy storage (LDES). The company focuses on scalable electrochemical architectures that enable safe, cost-effective, and durable energy storage at the multi-megawatt-hour scale. 10DQ's work spans electrochemistry, materials, hardware design, and system integration, with the goal of accelerating the deployment of resilient energy infrastructure as long duration energy storage is the key to enabling 24/7 renewable power across the grid.

**Position overview:** The Battery Chemist Intern will report directly to the Director of Chemical Engineering and support research and development activities related to battery sensors, electrolyte formulations, and system controls. This role is hands-on and experimental in nature and requires full-time, onsite participation. The intern will execute electrolyte analytical characterization, battery tests, analyze performance data, and contribute to the development of electrolyte state of health sensing that inform engineering design decisions.

This position is well suited for a student interested in applied chemistry, electrochemical and optical analysis, and working in a fast-paced startup R&D environment.

### **Key responsibilities**

- Develop new electrolyte formulations to improve on cost or testing performance targets outlined by stack engineering team
- Characterize electrochemical performance of electrolyte formulations
- Characterize electrolytes for decomposition products
- Operate laboratory equipment including potentiostats, UV-Vis, FTIR, and ATR probes
- Develop, refine, and document procedures for new experiments and characterization
- Collect, organize, and analyze experimental data to evaluate performance, degradation, and failure modes

- Prepare clear and concise test reports summarizing methods, results, and key findings
- Maintain accurate lab notebooks and ensure test data traceability
- Support troubleshooting of battery state of health sensors and assist with root-cause analyses

### **Qualifications**

- Pursuing a degree in chemistry, chemical engineering, material science, or closely related fields
- Prior wet lab or experimental laboratory experience
- Ability to work independently and to exhibit ownership over test processes and results

### **Preferred**

- Coursework or experience related to chemistry, electrochemistry, batteries, or energy storage systems
- Familiarity with UV-Vis, Fourier Transform Infrared spectroscopy, NMR, HPLC, and Attenuated Total Reflectance probes
- Interest in hands-on engineering and experimental problem solving
- Preference will be given to students with an interest in continuing to intern beyond the summer term.

### **Supervision and Point of Contact:**

Emily Nelson

Cofounder & Director of Chemical Engineering at 10DQ

Email: [enelson@10dq.com](mailto:enelson@10dq.com)

Supervision will be provided through both hands-on training and mentorship, along with regular one-on-one meetings.