10DQ Internship Description – Summer 2026

Position title: Battery Test Engineering Intern

Company name: 10DQ

Location: Onsite, full-time (35 – 38 hours per week) – Binghamton, NY

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

About: 10DQ is a deep-technology energy storage company developing next-generation battery systems designed for long-duration, grid-scale applications. 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 Test Engineering Intern will report directly to the Director of Stack Engineering and support research and development activities related to battery hardware, chemistry, and controls. This role is hands-on and experimental in nature and requires full-time, onsite participation. The intern will execute battery tests, analyze performance data, and contribute to the development of robust and repeatable test processes that inform engineering decisions.

This position is well suited for a student interested in applied electrochemistry, experimental engineering, and working in a fast-paced startup R&D environment.

Key responsibilities

- Build battery cells and execute battery and sub-component testing in accordance with established test plans and standard operating procedures
- Develop, refine, and document test procedures for new experiments and hardware configurations
- Operate laboratory equipment including potentiostats
- Collect, organize, and analyze experimental data to evaluate performance, efficiency, 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 test setups and assist with root-cause analysis of anomalous results

- Work closely with engineering staff to support iterative hardware and chemistry development

Qualifications

- Pursuing a degree in chemistry, chemical engineering, mechanical 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 electrochemistry, batteries, or energy storage systems
- Familiarity with data analysis tools (e.g., Excel, Python, MATLAB)
- 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:

Thomas Gill

Cofounder & Director of Stack Engineering at 10DQ

Email: tgill@10dq.com

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