

Intern Mechanical Engineer – Beverly, MA (Summer)

Who we are.

Demand for critical minerals to power the energy transition is growing exponentially. Yet, we know mining deeper and broader, and building landfills higher and wider, works against our fight to save the planet. At Nth Cycle, we see the path forward. We believe all the critical minerals needed for the energy transition are already in circulation today. We just didn't have a clean, profitable way of retrieving them, until now.

Nth Cycle is a metal processing technology company. Our electro-extraction technology helps recyclers and miners capture more critical minerals—for use in lithium-ion battery manufacturing, among other things—while dramatically reducing costs and emissions. We are the heart of metals processing; we are the crucial step that profitably separates critical minerals from other elements, transforming them into production-grade feedstocks for the energy transition.

We recently closed a \$12.5M Series A funding, won second place at TechCrunch Disrupt, and just moved into a new 12,000 sqft facility outside Boston.

Our Culture.

You won't find another team like ours. We believe in open, honest communication, and enjoying our work while changing the world. We work quickly but with intention—we've scaled our technology in size 100x in the past year. We're mission-oriented and think big—we're focused on reducing *gigatons* CO2 emissions from the atmosphere by 2050. And we value the perspectives and opinions of our colleagues while pushing each other to excel.

We're a dynamic team looking for a new team member who's also passionate about addressing climate change and advancing the clean energy industry. Consistent with our commitment to diversity & inclusion, we value colleagues with the ability to work on diverse teams and with a diverse range of people.

If this is you, keep reading.

Position description.

This position will focus on working with our core technology system; an electro-extraction technology for Li-ion battery recycling.

You may also use basic lab techniques to collect samples, prepare samples for analysis, and learn multiple characterization techniques

Key responsibilities and accountabilities.

- Establish and carry out test validation for new processes, equipment, and products made.
- Communicate technical results.

Qualifications and experience.

- BS or MS in Mechanical Engineering Candidate
- Proficiency with 3D CAD tools. Preferably Autodesk
- Sound Engineering Principles: Technical depth in the areas of structural and fluid mechanics, vibration and thermal design
- Strong analytical skills in general engineering assessment and problem solving
- Familiarity with chemical process scale up- desirable
- Flexible thinking especially while problem solving
- Strong verbal and written/digital communication skills
- Attention to detail, deadline and budget aware
- Ability to work in a fast-paced environment.

Nth Cycle does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

Closing Statement.

Consistent with our commitment to diversity & inclusion, we value people with the ability to work on diverse teams and with a diverse range of people. We especially encourage members of traditionally underrepresented communities to apply, including women, people of color, LGBTQ people, veterans, and people with disabilities.

We know the right candidate might not check every box in this job description. You could also have important skills we haven't thought of. If you think you're a great candidate for this role, apply and tell us why. To apply, send us a resume and a few sentences about why you are interested in this position and what you bring to the table. We're looking forward to hearing from you.

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