

### Job Openings: Two Summer REU Interns

**About us:** We're an early stage startup company developing eco-friendly and bio-renewable surfactant chemicals for consumer products, such as laundry detergents and personal care products. Sironix has invented and developed a new surfactant molecule that will make our consumer products work better and benefit our environment. As a growing company with over \$6M in government grants, investment, and partnerships, we are searching for applicants who can take on the task of leading our industry to a more responsible and safer future!

**About you:** An intern at Sironix Renewables is joining the forefront of green chemistry, bio-renewables, and product development. You will be working directly with Sironix R&D experts to develop new surfactants and develop catalytic chemistries for scale-up and manufacturing. Tasks require management of simultaneous research projects, effective communication with collaborators, and a resourceful and creative attitude. The working conditions and fellow employees are relaxed, but we are motivated and determined to build a name for ourselves and change the world!

**The position:** This is a paid summer REU (Research Experiences for Undergraduates) internship position that includes an opportunity for continued employment with demonstrated performance and success. Due to National Science Foundation policy, this position is only available to U.S. citizens, U.S. nationals, or permanent residents. This is a part-time, hourly-pay position. Hours & start/end dates are flexible.

#### Responsibilities

- Conduct performance testing on Sironix surfactants and develop new applications
- Assist in designing, constructing, and troubleshooting new reactor systems for surfactants production
- Write formal research reports, both internal and for publication
- Prioritize and meet deadlines, while managing multiple research projects
- Assess and review new technology, academic research, and patents

#### Preferred Qualifications:

- Working toward an undergraduate degree in chemical engineering, chemistry, or related technical degree
- Experience working in a laboratory setting
- Experience/coursework in chemistry, catalysis, surfactant/colloid science and/or reactor design
- Familiarity with analytical techniques such as GC-FID, chemical catalysis, and/or organic chemistry
- Detail-oriented scientist with the ability to take on the challenges of R&D

#### Benefits:

- Gain industrial research experience while earning a competitively priced stipend
- Develop a diverse skillset including chemical synthesis and analytical methods, catalysis, as well as the design and application of novel surfactant materials
- Build industrial knowledge and contacts in the consumer products industry as part of a quickly-developing company with extended employment opportunities

**COVID-19:** We value the health and safety of our employees and visitors and adhere to CDC guidance for safety protocols and mask policies. In order to keep our workplace safe, proof of COVID-19 vaccination required prior to start date.

**Apply Here:** <https://sironixrenewables.com/work-with-us>

