

Monolith needs an **Engineering R&D Intern** who has the passion and energy to build something new that can make a real impact on climate change. Ready to help us face challenges and make a difference?

Join us and operate with purpose.

As an **Engineering R&D Intern**, you will be a key contributor to developing the next generation capabilities of Monolith's research reactors. You will be involved in the development of multiple feedstock/additive delivery systems while also providing equipment improvements to existing systems, and assisting in commissioning new systems. Other responsibilities will entail delivery system integration and testing to ensure all requirements are satisfied for use in Monolith research reactors.

Interested in learning more?

Why you should be at Monolith:

- Inspiring work that makes a positive difference to the world
- A collaborative and diverse team environment where everyone has a voice and is valued for their background and experience
- Competitive compensation and flexible work-life balance
- Development and training with plenty of opportunities to grow and learn
- Ability to make an impact at work, helping the company succeed and grow

Why we want to know you:

- You have an eye for detail and will always uphold regulatory, company, and customer standards
- Team players only! We want someone who contributes to and promotes a team environment
- You work well under pressure and can solve complex problems
- You are an excellent communicator both verbally and in writing
- You aren't afraid to ask questions and accept feedback
- Pursuing a PhD and completed at least 5 semesters in an accredited Aerospace, Mechanical, Material or Chemical Engineering program
- Experience in designing, conducting, and analyzing combustion/fluid flow experiments
- Advanced knowledge in Microsoft Office, including Project and Visio
- Proficient in Python and Pandas libraries
- Relevant coursework:
 - Mechatronics
 - Chemical Kinetics
 - Compressible and Incompressible Flow
 - Combustion
- Lab-scale experimental design and experience with LabView preferred

What you'll do in this role:

- Design and develop systems and system components for use in Monolith's research reactors.

- Perform computational analysis to demonstrate designs meet specific system requirements.
- Analyze data from existing reactor systems to gather knowledge of system behavior and inform improvement iterations.
- Analyze data from existing reactors to understand and evaluate new subcomponent systems' impact on product quality against expectations and/or hypotheses.
- Perform fluid flow analysis that informs design of gas flow and mixing systems.
- Perform other duties as required.

Ready for a job that never feels boring? Send your resume now!

Your environment:

Work will be spent in an office environment or outdoor facility dependent upon projects and tasks assigned.

Monolith's 2024 Summer Internship Program is a 12-week program beginning on May 20th and ending on August 9th. Flexibility with the program dates is subject to company approval.