



Position

Do you have a concern for people and the environment? Do you have a background in engineering or science? Do you enjoy working in a laboratory? Are you well organized, & pay attention to detail? Do you want to make an impact in the world? Do you enjoy working as part of a team?

Burn Design Lab, headquartered on Vashon Island, WA is offering an unpaid internship to a clear thinking, well-organized, undergraduate, who is ready to learn the details and challenges associated with determining the performance characteristics of improved biomass burning cookstoves. We are looking for someone with good communication skills, with a background in science or engineering who has an interest in laboratory testing, research, and data analysis. Burn Design Lab will provide a small living expense stipend, housing or a housing stipend, and roundtrip air fare to Seattle for the selected candidate.

Burn Design Lab is a U.S. based internationally focused non-profit organization dedicated to the improvement of lives and the environment in the developing world through research, design, and development of outstanding cookstoves and cookstove manufacturing systems.

The successful candidate will be engaged in some or all of the following:

- Performance, combustion, safety, durability, and emissions testing of cookstoves and related materials & systems.
- Biomass fuel analysis, and analysis of above testing results
- Providing input to stove designs based on experience testing & testing results
- Documentation and improvement of testing methods and protocols
- Making improvements to & calibrations of laboratory systems & equipment
- Building cookstove prototypes out of sheet metal (forming, spot welding, and general metal fabrication), ceramics, refractory, & other materials.
- Writing reports, developing PPTs, and presenting results to the team.

Aptitude & Experience

Applicants should have the following experience and aptitudes:

- Pursuing a degree in science or engineering
- Collecting, organizing, & analyzing data.
- Proficiency with MS Excel, PPT, and Word.
- Significant laboratory & report writing experience
- Strong organization skills and attention to detail
- Eagerness to learn.
- Ability to work both independently and in a team environment.
- Strong work ethic.

Start Date & Duration

The internship is 6 – 12 months in duration, beginning in January 2023.

Apply

To apply, please send your resumé or CV, and expression of interest to hr@burndesignlab.org. For more information on BURN Design Lab, please visit www.burndesignlab.org or visit our Facebook page www.facebook.com/BURNDesignLab. Please note that proof of vaccination against COVID-19 is required to work at Burn Design Lab.