



### **Position**

Do you have a concern for people and the environment? Do you have a background in mechanical or industrial engineering? Are you both creative and results oriented? Do you enjoy engineering and 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, creative, undergraduate mechanical or industrial engineer, who is ready to make lasting contributions to the development of leading-edge biomass burning cookstoves. We are looking for someone who enjoys working to develop creative solutions to challenging problems. 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:

- Working both alone and together with others to developing conceptual designs
- Using CAD (Fusion 360) to develop detailed designs of cookstoves
- Using CAD to design appropriate technology for cookstove production
- Building prototypes from sheet metal (forming, spot welding, and general metal fabrication), ceramic, refractory, & other materials.
- Designing, building, testing, & evaluating manufacturing tooling
- Conducting performance and emissions testing of biomass fueled cookstoves
- Evolving designs based on test results and on feedback from potential users.
- Cookstove material evaluation and selection

### **Experience**

Applicants should have the following experience and aptitudes:

- Pursuing a degree in mechanical &/or industrial engineering
- Competency in Fusion 360 &/or other CAD tools.
- Hands-on maintenance, fabrication, &/or construction experience.
- Eagerness to learn both hands-on and academically.
- Ability to effectively get project work done.
- Ability to thrive both independently and in a team environment.
- A strong work ethic.

### **Start Date & Duration**

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

### **Apply**

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