**Hydrogen Engineering Intern Position**

**Obsidian Renewables**

Obsidian Renewables is a leader in renewable energy project development in the Pacific Northwest. We consist of a modest number of highly motivated, self-driven professionals that punch above our weight in project development. Obsidian initially focused on utility scale solar, then expanded its focus to include renewable hydrogen in 2019. Since then, we have been developing the Obsidian Pacific NW Hydrogen Hub, which includes a portfolio of hydrogen production, storage, and distribution projects across Oregon and Washington.

**Position Description**

The Hydrogen Engineering Intern will support the research of hydrogen technologies and analysis to help determine which deployment strategies would be most effective in different project situations. A strong emphasis will be on gaseous hydrogen storage systems and hydrogen carrier molecules, but focus on hydrogen production, purification, compression, distribution, end use, electricity procurement, and water procurement may also be needed at times. Some of the topics of focus will include first principles physical analysis, commercial maturity and deployment history, total cost of ownership analysis, safety considerations, environmental considerations, equipment lifetime, and supply chain presence in USA and internationally.

**Duration**

Internship term will last for at least 3 months. The desired term length of the internship will be discussed during interviews.

**The Hydrogen Engineering Intern will:**

* Review and update Obsidian’s internal hydrogen technology knowledge base.
* Review industry and academic research articles about hydrogen technology development and project development.
* Arrange meetings and interview experts about hydrogen technologies.
* Perform engineering analyses to quantitatively and qualitatively assess which technologies are most advantageous for given situations.
* Update financial modeling assumptions based upon new research insights.
* Present conclusions to management and outside stakeholders.
* Support work in other parts of the business as needed.

**Location and Commitment to Opportunity**

The position is located in Lake Oswego, Oregon. Obsidian is a dedicated equal employment opportunity employer that considers all applicants without regard to race, religion, gender, gender identification, and other non-merit factors.

**Application Details**

Pay will be $22/hour.

**Application Details**

Send cover letter and resume to Matt Kirsch (mkirsch@obsidianrenewables.com). Applications delivered by 5 pm Pacific Time June 23, 2023 will receive consideration.