

The Confederated Tribes of the Colville Reservation in eastern Washington have received an Environmental Justice grant from the EPA to install and analyze data from a network of PurpleAir PM<sub>2.5</sub> monitors in the Upper Columbia River valley between the US-Canada border and the confluence with the Spokane River. We are interested in applying novel analysis methods to the data from these monitors. We seek a person to work over the summer quarter with Dr. Dan Jaffe of the University of Washington to put together a



framework that will allow us to potentially distinguish the signatures of different sources of pollution: wildfire/wood smoke, industrial emissions, and dust storms. The culmination of your project will be a community meeting in eastern WA (for which travel expenses from the Seattle area will be covered) at which you can present your findings to interested local residents. The meeting is not required, if that does not work out with your availability.



This position offers a \$6000 stipend. Core work dates are June 20 – August 18, 2023, with flexibility around the exact beginning and end dates. We prefer that the student be located in proximity to Seattle, WA to facilitate work with Dr. Jaffe, but exceptionally qualified applicants may be able to work remotely. At a minimum, you must have air pollution classwork completed and be an enrolled undergraduate or graduate student. Ideally you will have a demonstrated interest in air pollution impacts on rural and/or Indigenous communities.

To apply, please send a letter of interest and a CV including your relevant coursework to Whitney Fraser, [fraser@lodestonellc.com](mailto:fraser@lodestonellc.com) and Dr. Jaffe, [djaffe@uw.edu](mailto:djaffe@uw.edu). Applications received by April 14, 2023 will have priority and will be reviewed on a rolling basis thereafter.

