HSU Sponsored Programs Foundation
Job Announcement

Student Research Assistant

Position Summary: The Schatz Energy Research Center is seeking a student research assistant to work on back-end development for a web-based biomass lifecycle assessment tool. The tool will allow users to quantify the net greenhouse gas and criteria pollutant emissions associated with utilizing biomass residues from forestry activities for the generation of electricity and process heat. This five-month position is expected to start on or near February 1, 2020.

Compensation and Time Base: $14.22 to $18.63 per hour, commensurate with skills and experience. The time base for this position is 10 hours per week, depending on project needs and funding availability. This is a temporary, non-benefited, hourly position. This is not a state position

Duties and Responsibilities: The successful candidate will work with the California Biopower Impacts Project team at the Schatz Center to support the development of a web-based interactive lifecycle assessment tool. This tool is funded by the California Energy Commission and has the potential to provide significant benefit to decision makers and regulators across multiple state agencies. This position will advise and assist with the development of the tool backend, including server and host selection, application development, and database design.

Minimum Qualifications:
- Education in computer science or similar courses of study at the graduate or advanced undergraduate level, or equivalent professional experience.
- Experience with design and implementation of web application back-ends.
- Familiarity with database design for web applications.
- Ability to self-motivate and contribute to fast-paced team projects.

Desirable Qualifications:
- Experience with front-end web application design.
- Familiarity with the R programming language.
- Intermediate quantitative and data analysis skills.
- Ability to carry out interdisciplinary analysis.
- Prior work experience and/or knowledge related to forestry and/or renewable energy technologies and policies.

Application Procedure: Applicants should submit (i) a letter of application, (ii) unofficial transcripts of prior academic work at HSU and other colleges or universities, and (iii) a one-page résumé via email to serc@humboldt.edu. In the letter please describe your background, your database design and management experience, and what motivates you to apply for this opportunity.

Application Deadline: Application materials must be received by 4:00 p.m. Pacific Time (US), Tuesday, January 7, 2020.

Questions and Inquiries: For additional information about the position, please send an email to serc@humboldt.edu or call 707-826-4345.