

## **Sustainability Office Energy Data and Controls Student Technician**

### **Position**

The OSU Sustainability Office seeks a student employee to assist with utility data requests and analyses, building controls technologies and development of reporting tools. Work will include software development with an emphasis on building automation tools and embedded systems. The Sustainability Office is part of University Facilities, Infrastructure and Operations, the department responsible for development and maintenance of OSU's infrastructure systems.

Work schedule can be somewhat flexible, but must remain responsive to workload. The successful candidate will work 20-40 hours per week during summer and 10-20 hours per week during the academic year on the following:

- Software development for embedded systems and microcontrollers.
- Maintenance on OSU real-time utility data monitoring devices (Modbus and Ethernet based devices requiring intermediate networking knowledge).
- Support the OSU construction and green building process. This includes:
  - Retrieving and reviewing proposed construction documents from the OSU Plan Center
  - Inspecting project submittals and as-built drawings
- Develop and maintain spreadsheets for tracking large datasets across multiple sources, including identifying trends and anomalies using Excel formulas.
- Join colleagues for various Sustainability Office outreach events and projects.

### **Skills**

Required:

- Clear and consistent communication and excellent interpersonal skills.
- Basic understanding of utilities, energy consumption and energy conservation.
- Excellent precision, attention to detail, timeliness and organizational skills.
- Proficiency in Microsoft Office, particularly Excel and Adobe Acrobat.
- Experience with computer programming and/or digital logic.

Preferred:

- General understanding of programmable logic controller (PLC) programming, Boolean logic, and analog and digital input/output control.
- Understanding of building automation software.
- Project management experience, including reading construction documents.
- Familiarity with energy saving technologies.
- Coursework or experience with heating ventilation and cooling, building controls, and green building technologies.
- Experience towing trailers.

### **Compensation**

Hourly pay is \$12.00 with periodic wage reevaluation. Employment term is Spring 2018 and is ongoing assuming satisfactory performance. Preference is given to applicants with availability through spring 2019 or later.

### **To Apply**

Apply online by 11:59PM Wednesday, April 11. Please include a resume and a cover letter that lists your level of interest, skills, and experience related to the bulleted items in this position announcement. This job is available for work-study and non-work-study students. If you have questions or would like more information, please contact [Leticia.Cavazos@oregonstate.edu](mailto:Leticia.Cavazos@oregonstate.edu).