Arduino Instructor Position

Position Summary:
Oregon MESA is looking for an individual with experience working with Arduino and a desire to work with high school students to fill a short-term position as instructor for a multi- Saturday program. Successful candidate will be able to influence the camp curriculum based on their own experience. They will also be strongly considered for continued work in the spring.

Oregon MESA:
Our mission is to provide students underrepresented in the fields of science, technology, engineering and mathematics with the skills, knowledge and opportunities to develop their talents, explore technology based careers, enter college and compete successfully in the workforce.

The Digital Design Lab (D2L) Core:
D2L Core is a week-long summer program for high school students intended to demystify the fields of computer science and computer engineering.

Goals of the Digital Design Lab Program:

Increase student knowledge of computer science related majors and careers and provide a clear pathway for each student to obtain computer science education
Improve student computational and innovation skills related to: thinking creatively, working in a team based environment, analyzing and solving problems and communicating with others
Boost student technology literacy and development skills
Increased student interest in pursuing additional computer science related activities

Responsibilities:
- Use existing D2L curriculum with modifications as needed in accordance with grant initiative and with MESA staff
- Provide 32 instructional hours over the course of the program to 20-25 diverse high school students
- Support the evaluation efforts of our third-party evaluator, Education Northwest
- Coordinate with MESA program staff on all aspects of the project

Minimum Qualifications:

- Be able to wire a bread board that with multiple inputs and outputs.
- Be able to program an Arduino board to control multiple inputs and outputs.
- Be energetic yet patient when teaching/tutoring others
- Be able to pass a criminal background check

Preferred Qualifications

- Experience teaching/mentoring high school students
- Experience working with diverse populations

Project Commitment:
This is a limited duration position focused on the Digital Design Lab project. The candidate will work with Oregon MESA between the dates of October 20 and December 20. The program will take place on Saturdays between 9:00AM and 3:30PM (except the last week which have a student showcase at the end). Dates are Dec 1, 8, 15, 2012 and Jan 5, 12 and Feb 2, 2013.

Compensation:
The compensation will be $12-$18/hr DOE. As this is a short term position, benefits are not included.

To apply:

Email your cover letter and resume to ormesa@pdx.edu. If you have questions, call Tamara at 503-725-4665. More information about Oregon MESA can be found at www.oregonmesa.org. The priority submission deadline is noon on Monday, November 5, 2012.