Volunteer Position Description

Position Title: PACTS Robotics Program Volunteers

Position Summary:
About PACTS
PACTS- Partnerships for Achieving Careers in Technology and Science- is a year-round program of science enrichment, career development, cross-age mentoring and leadership opportunities for diverse middle and high school students in the Greater Philadelphia region. PACTS students engage in hands-on science workshops, field-based research, special field trips, college and career counseling and much more!

About the PACTS Robotics Program
The PACTS Robot Workshop consists of a diverse group of staff, volunteers and youth eager to learn and understand robotics and the industry of motion. The staff and volunteers of the Robot Workshop are dedicated to encouraging the sciences in technology and STEM related subjects that advance robotics. Youth are instructed in the principles of motion; incorporating unique robot behaviors that mimic humans in motion; programming; building robots from instructions/by designs; teamwork and professional development skills; and having fun together.

The group meets on Saturdays (except for the first Saturday of each month) from September through June. Meeting workshop times are structured, however, whenever there are events hosted by the museum or third parties requesting our robots, we may meet at odd hours and on non-scheduled days. In addition, our youth compete in a variety of robot competitions during the year.

Volunteer Needs
The PACTS Robotics Program is looking for two volunteers.

- PACTS Robotics Program Programmer Volunteer- Experience needed with Perl, Python, C++, Java and usage of Eclipse
- PACTS Robotics Program Electrician Volunteer—Experience needed with mini-electronics and solar power/energy

Special Skills Required:
Along with the skills listed above, both volunteers should have experience working with diverse groups of young people.

Schedule Requirements:
Interested applicants must be available to volunteer on Saturdays from September through June. Typical hours are February through June from 9:00 am to 1:00 pm and September through January from 9:00 am to 2:00 pm. Additional hours may be needed to prep for or participate in events, such as robotic competitions.

Volunteers Report To:
PACTS Robot Coordinator