



\$3,500—\$7,000



**Mechatronics Laboratory
Mechanical Engineering Department, Polytechnic University**

NEEDED: A few good men and women!

Ten salaried community service internships are available, on a competitive-basis, to qualified Polytechnic undergraduate and graduate students. These positions are funded through a grant by the Independence Community Foundation of New York.

Responsibilities:

- Learn fundamentals, develop skills, and conduct research and training in mechatronics and robotics.
- Serve on-site at a Brooklyn school as a robotics resource to excite students about science and math by engaging them to develop hands-on robotics activities.
- Collaborate with teachers and students to enable them to enter the NYC First Lego League or the NYC First Tech Challenge competitions.
- Develop and conduct robotics related professional development workshops for teachers.

Position Details:

Eight positions: Each intern will collaborate with a teacher and their students at a school for the First Lego League competition. Stipend: \$3,500/student, Duration: 09/07—01/08, 5 to 6 hours/week.

Two positions: Each intern will collaborate with a teacher and their students at a school for the First Tech Challenge. Stipend: \$7,000/student, Duration: 09/07—05/08, 5 to 6 hours/week.

Qualification:

Status: Juniors, seniors, and graduate students

Major: Engineering, preferably Mechanical, Electrical, or Computer Engineering

Experience: Robotics, Lego Mindstorm NXT, mechatronics, and microcontroller interfacing and programming

Others: Excellent scholastic record and written and oral communication skills and strong aptitude in math and science

The positions begin in September 2007 and require highly motivated and dedicated individuals who are self-driven to excel in education and research. Each intern is required to attend a training workshop scheduled for August 27—29, 2007. For further information, please contact Professor Kapila, vkapila@duke.poly.edu.