ENGINEERING & APPLIED SCIENCES INTERN

Salary: Unpaid
Reports to: Senior Exhibit Lead, Engineering & Applied Sciences

Position Overview
The Engineering & Applied Sciences intern will specialize in our Skyscraper! and Energy Quest galleries. Skyscraper! encompasses engineering methods in design and construction of skyscrapers while *Energy Quest* involves use of energy and methods of capturing and transferring energy from a variety of sources including geothermal, bio-stored, nuclear and surface renewable. The Intern has to understand basic principles of engineering and technology along with the ability to problem solve with innovation and creativity. The Intern is required to relay key concepts and enhance guest experience through expertise and knowledge in specific areas of engineering. He/she also plays a vital role in designing, developing and presenting temporary /short term programs and activities for groups of all ages based on engineering principles and methods. The intern assists in training of current staff and volunteers in exhibits specifically in the engineering field.

Key Responsibilities
- Provide outstanding service to guests in all public spaces particularly in *Skyscraper!* and *Energy Quest* Exhibition Galleries
- Providing guests with expertise and knowledge in engineering and technology
- Encouraging new ideas to improve and enhance guest experience
- Design, develop and present educational programs/activities/lessons based on exhibit concepts

Preferred Qualifications and Experience
- Good communication skills
- Ability to present/teach in front of large groups
- Innovation and creative thinking
- Ability to relay in-depth scientific concepts through different techniques to accommodate guests of all ages
- Majoring in one of the following fields: Structural Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Construction Management or Engineering Management
- Should have an understanding of the basics in the following engineering concepts: stresses and strains, construction, forces/torque, moments, heat transfer, thermodynamics, material science and circuits
- Knowledge of engineering tools such as Pro-Engineer or AutoCAD is a plus. Experience or comfortable working with power tools or a construction background

Work Culture at a Glimpse

Schedule
This is a part-time unpaid position. The ideal candidate must be available to work evenings and weekends as special events require.

Travel
This position may require occasional travel in the greater Metro region.

Environment
Liberty Science Center is located in a beautiful waterfront state park in Jersey City, New Jersey. Not only is Jersey City easy to get to from any points in Northern NJ and Manhattan, but it also holds the title of the most diverse city in the United Sates. Employees have access to free parking, the Hudson-Bergen Light Rail, and the NJ Path train. In addition, all employees have access to an on-site café, a terrace with stunning NYC views, and on-site yoga.

Physical Demands While performing the duties of this job, the employee must be able to stand for long periods of time while working with staff on museum floor to prepare for events or fill in for staff on the floor. The ability to lift 30 pounds is required. The position requires frequent visits to the museum floor (walking on concrete floors, climbing stairs, etc) and outdoors (walking on uneven ground, exposed to the elements), tolerating high levels of noise, and extensive public speaking, sometimes in noisy environments.

Benefits

- 25% discount in LSC gift shop
- 25% discount in on-site cafeteria
- Six free exhibit & theater passes after 100 hours of volunteering
- $75.00 travel reimbursement once a year
- Volunteer Recognition dinner
- KUDOS rewards program

To apply:

Please visit our website and apply online at: https://lsc.org/volunteer After your submit your application, please submit a resume and cover letter highlighting why you are a perfect fit for this position to intern@lsc.org.

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Liberty Science Center is proud to provide an equal opportunity workplace. All qualified applicants will receive consideration for employment without regard to race, color, ancestry, religion, sex, national origin, sexual orientation, age, citizenship, marital status, disability, genetics, gender identity, or veteran status and will not be discriminated against on the basis of such characteristics or any other status protected by the laws or regulations in the location where we operate.

LSC actively supports Americans with Disabilities Act and will consider reasonable accommodations.

To find out more, visit lsc.org or follow us on Facebook, LinkedIn or Twitter.