

Job Openings:

Lead Instructor and Teaching Assistant for BlueStamp Engineering

About The Company:

BlueStamp Engineering is a 6-week summer program in New York City, Houston, Denver, Palo Alto, and San Francisco where high school students individually build engineering projects. Students select and build a project of interest (e.g. solar powered electronics, robots, GPS devices, mini wind turbines, etc.) with a motto of "learning by doing." Students go through the entire process of building and testing their devices while supporting their work with full documentation published online. Projects have a wide degree of difficulty, from electronics kits to customized designs. Please visit <http://www.bluestampengineering.com/students/> to see what previous students have built. For detailed information about the program, please visit <http://www.bluestampengineering.com>

Open Positions – (A) Lead Instructor and (B) Instructor:

BlueStamp, LLC is looking for independent, motivated, kind, and technical people to join our summer staff in all locations. Both are paid positions requiring staff to work together to assist students in creating their projects. This will include teaching engineering techniques and concepts, tools and safety, technical documentation, and troubleshooting methods. Staff will guide students to ideas, approaches, and sources of solutions without "just doing it for them." Both positions will involve the following responsibilities:

1. Help students troubleshoot their projects.
2. Help students create their own student page.
3. Motivate, inspire, and share the love of building with students
4. Help students select and define their individual project before the program begins (this can be done remotely over Skype/email).

Lead Instructors (A) have the following additional responsibilities:

1. Guiding class each day and being responsible for students' safety, project organization, and completion of deliverables.
2. Coordinating guest speaker schedules and all program logistics such as showcase nights, instructor meetings, progress reports, etc.
3. Order all student project parts and general classroom tools (in advance of the program and during the program).

Candidate Requirements:

Specific to Lead Instructors (A): Candidate should have top notch organizational skills, maturity, and leadership qualities. Graduate students preferred but particularly strong undergraduates will be considered.

1. Education and practical experience in one or more of the following three areas: (1) Electronics Hardware, (2) Firmware/Software, (3) Mechanical Design and Drafting.
2. Significant experience with building, designing, and troubleshooting devices or prototypes of similar scope to student projects shown here:
<http://www.bluestampengineering.com/students/>.
3. Applicants should be able to showcase and discuss, in depth, any of their projects.
4. Skilled in troubleshooting problems and using the engineering tools of their discipline.
5. Experience teaching/leading students (e.g. instructor roles, youth camps, tutoring, mentoring, etc).
6. Ability to think and act quickly on a project to identify solutions that can meet goals on a structured, fast-paced schedule in a busy environment.
7. Desire to share the excitement of designing and engineering with high school students, while motivating students through the challenging and frustrating stages of prototype construction.
8. Excellent communication skills, unfettered honesty and integrity, and the ability to work with minimal supervision are all a must.

Program Logistics:

1. Each staff member will be assigned to both an AM section meeting from 8:00am – 1:00 and a PM section meeting from 12:30 – 5:00pm (30 minute overlap to accommodate guest speakers).
2. The student-to-staff ratio is approximately 4:1.
3. Each section will consist of 10-14 motivated students who have passed a rigorous application process.
4. Class meets Monday-Friday for 6 weeks (excluding 4th of July). Program start dates are typically mid-June to late July or early August and vary slightly by city.
5. Compensation: Both positions are paid on a stipend, depending on experience.
6. Lead Instructors (A) earn \$5,500 - \$6,500 and are eligible for an additional merit based bonus of 25% of total compensation.
7. Instructors (B) earn \$3,500 - \$4,500 and are eligible for an additional merit based bonus of 25% of total compensation.
8. All staff must pass a background check.

*****To Apply***:**

Download the [staff application](#) from the website. Then submit via email along with a resume to program founders as directed on staff application (available at <http://bluestampengineering.com/services-view/apply-as-an-instructor/>).