

VOLUNTEER OPPORTUNITY

(Updated: 01/22/2025)

Agency Name: SoundBio Lab

Agency Description: SoundBio Lab welcomes everyone to explore and grow their passion for science. We provide space, tools, and community to foster original research projects alongside hands-on STEAM education in our biomakerspace and the greater Seattle area. Visit www.sound.bio/volunteer for additional volunteer opportunities.

Address: 1100 NE 47th Street, Suite 103

City, State, Zip: Seattle, WA, 98105

Contact Person: Dezmond Goff

E-mail Address: dezmond@sound.bio

Phone: (206)-631-1494

Web Address: www.sound.bio

Position Title: Lab Systems and Operations Assistant

Position Description:

Ever wondered how technology can revolutionize the way labs operate? As a Lab Systems and Operations Assistant, you'll get to innovate and create impactful solutions, from designing remote monitoring systems to streamlining inventory and optimizing workflows—all while shaping the future of community science in a collaborative and creative environment.

Responsibilities

- Implement remote deep freezer monitoring. Use Raspberry Pi and other electronics to monitor backup power supply status and freezer temperature. Use AWS to push alerts to Slack and specific stakeholders.
- Research and develop inventory solutions. Research cost and time-efficient inventory strategies for community biology labs. Work with Lab Manager to implement an effective inventory management system through existing and/or original applications.
- Improve systems efficiency. Identify lab operations bottlenecks that might be improved by digital automation and propose practical solutions.

Commitment

A minimum of 5 hours per week for 6 months to 1 year.

Work hours may be completed in the lab or remotely based on the specific task or project.

Qualifications:

Required:

- Confident working with Linux-based computer systems
- Proficiency in one or more of the following programming languages: Python, JavaScript
- Experience or interest in electronics engineering
- An interest in hands-on science education and enthusiasm for our mission

Preferred:

- Excited to take on self-directed challenges
- Completion of our Lab Skills Training course is optional but encouraged.

Total number of weekly hours: 5+ hours/week

Days/Hours: Flexible

Number of openings: 1

Start Date: Anytime

Application Instructions: To apply, please complete the following application form:

<https://forms.gle/ErG5Bz1ejPffrHtY6>