



Position Title: Community Sensor Lab Environmental Justice Fellow

Duration: Temporary; April - November 2022

Hours: Part Time; 15-20 Hours per week

Pay Rate: \$22/hour

Training Schedule: April - June

Virtual Sessions: Monday 2-4PM, **In-person sessions:** Friday 11AM-3PM (**6 HRS**)

[APPLY HERE!](#)

Position Description: The Community Sensor Lab Environmental Justice Fellow will work to build leadership skills and literacy around environmental science and environmental justice in Red Hook. The Fellow will collaborate across three partner sites, Pioneer Works, Red Hook Initiative and CUNY Advanced Science Research Center, honing their skills in environmental science, data analysis and environmental justice organizing in Red Hook.

Responsibilities include but are not limited to;

- Participate in trainings with the Advanced Science Research Center lab at City University of New York, developing skills in electronics & circuitry, coding and environmental science
- Partner with Youth Organizers and Community Building team at Red Hook Initiative to organize community meetings around environmental justice issues in Red Hook;
- Learn to build air quality sensors and collect community air quality data in Red Hook
- Help design curriculum and facilitate workshops with young people in collaboration with CUNY Community Sensor Lab Undergraduate students
- Design a report or method to share air quality findings with peers, neighbors & local environmental stakeholders regularly: This could be through social media, in person events, or virtual methods

We're looking for someone who has

- An outgoing personality with a desire to interact with peers and neighbors
- A passion for the environment, arts & sciences and the community of Red Hook
- Interest in design, coding and data collection
- Knowledge of Google Drive and Gmail, Microsoft Word
- Experience working in an education or after-school setting
- Experience living and/or organizing in public housing communities
- Ability and willingness to work in person 3-4 days / week, following COVID-19 safety protocols
- Willing to travel to Harlem twice a week for training portion (April - June)

Skills you'll develop

- Basic circuit design and principles of electronics, soldering and electrical metrology Basic programming and debugging (Arduino IDE, C, C++, java)
- Internet networking and Internet-of-Things
- Experimental Design; Rapid Prototyping and 3D Printing
- Data analysis and visualization