

NBRR EDUCATIONAL AND COMMUNITY PROGRAMMING LEAD

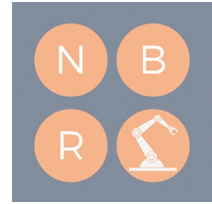


About NBRR

New Bedford Research & Robotics (NBRR) is an equitable innovation, education, and entrepreneurship laboratory that leverages creativity-with-technology to bridge social and economic sectors. We've had an amazing start, active in all programmatic areas - STEM, Community Engagement, University Research, Small Business Incubation, and Corporate Research. We are a growing non-profit organization, currently developing a 30,000 square foot space in New Bedford, Massachusetts.

NBRR's STEA3M program holds the "A" to the 3rd power. Our 3 A's stand for: The "Arts" - leaning into creativity and critical thinking, "Accessibility" - giving young learners access to frontier technologies and spaces that most do not get in the course of their education, and "Applied" - because the learning is not in a traditional classroom; it is in a functioning research laboratory that permits students to learn, test, fail, and iterate with their own work - alongside professionals and corporations.

Inquiries: Team@ResearchAndRobotics.org



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Our technologies include Robotics & AI, Data Science/Data Visualization, Vision/ VR/ Gaming, IoT Sensing, Laser cutting/ Etching, CNC, and 3D printing technologies. The applicant for this position is not expected to have mastery in these areas but to have a proficiency in

Position Summary

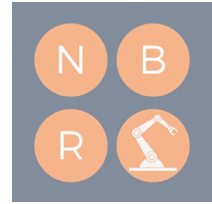
We are looking for a full-time, year-round, in-person Educational and Community Program Lead to join our dynamic team. The Program Lead is charged with shaping NBRR's instructional vision for youth programming (STEAM³M) and professional development and for generating long-term impact for the New Bedford community and beyond. The Program Lead will develop, implement, and facilitate social impact programming and create learning opportunities that are equitable, just and sustainable for NBRR and the community at large.

Salary: \$62,000 - \$72,000 contingent on experience, capacity, communication, and other factors

Rolling: This position opens March 1, 2023 and will be filled prior to June 30, 2023.

Applications will be assessed as they arrive and we will fill this position as soon as we can, respecting your need to complete current responsibilities with integrity.

Confidential: Your application is confidential.



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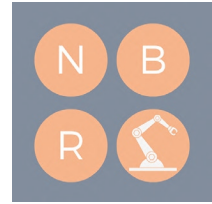
Responsibilities:

Operational: Curriculum Design, Implementation & Assessment

- Envisions, designs and implements engaging student-centered learning experiences through the STEA³M lens, independently, and in collaboration, with community partners.
- Works with local educators and NBRR partners to build STEA³M programs utilizing best-practice teaching strategies that include the application of advanced technologies.
- Applies a comprehensive understanding of the developmental needs of middle and high school learners to develop curricula focused on building 21st-century skills.
- Utilizes in-depth multi-disciplinary STEA³M experiences that stress innovation and creativity and are aligned with National and State community education standards.
- Identifies, plans, and delivers professional development for NBRR staff and community educators focusing on advanced technologies and amplifying NBRR's mission.
- Utilize quantitative and qualitative tools to assess impact within youth and community engagement programs, including gathering data via surveys, google forms, etc.; share outcomes with the grants team and other NBRR constituencies.
- Research and become proficient in new technologies

Strategic Collaboration & Outreach

- Collaborates with Artists and Designers in Residence to devise and implement aligned programming that provides multiple access points of exploration and community engagement.
- Works with marketing, grant partners, graphic designers and other NBRR colleagues to share outcomes via social media, write-ups, community events, etc.
- Participates in professional development supporting the advancement and application of innovative technologies and techniques to support programming and enhance impact.



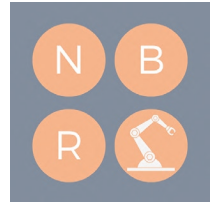
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Operations

- Designs and manages an engaging and flexible learning space that evokes and supports creative and innovative learning experiences to equip and empower people to be problem solvers.
- Develops and supports part-time employees and college student interns who participate in the STEA³M program at NBRR
- Secure a pipeline of interns and others who assist with instruction.
- Interfaces with Executive Director, Director of Design Technologies, and other programmatic leads around mission driven goals.
- Builds capacity in NBRR's STEA³M program in the context of the NBRR professional and educational ecosystem.
- Performs other duties as needed.

Qualifications

- Degree from an accredited college/university.
- Proficient in a range of technologies, learning strategies, and applications.
- Deep knowledge of content standards, effective instructional strategies
- Strong Google Apps for Education Skills (Docs, Sheets, Slides, Sites, etc).
- Experience (or familiarity with) tools such as, but not limited to, 3D printing, AutoCAD, laser cutting, vinyl cutting, Arduino, Makey-Makey, Codecademy, Sphero, Tynker, BeeBot, Parrot MiniDrone.
- Highly effective communication, listening, collaboration, and interpersonal skills.
- Strong written, verbal, and technology-based communication skills.



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To Apply

To apply, send requested materials via email to: Team@ResearchAndRobotics.org

Requested Materials:

1. 1 Page Cover Letter
2. CV
3. Teaching Portfolio or Relevant Documentation

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