



Youth Programming Instructor

JOB TITLE: Youth Programming Instructor

REPORTS TO: Senior Director of Programs & Partnerships

STATUS: Part Time; 20 hrs per week

DATE REVISED: July 18, 2024

MISSION

Generator, Burlington, Vermont's premier makers, is a combination of business incubator, artist studios and classroom at the intersection of art, science, and technology. We aim to provide the tools, expertise, education, and opportunity to enable all members of our community to create, collaborate, and bring ideas to fruition.

POSITION OVERVIEW

The Youth Programming Instructor is responsible for providing instruction to middle school, high school, and College aged learners. The Instructor should be passionate about engaging youth and adults in programs that explore technical skills, rapid prototyping equipment and design methodologies for emerging innovation. A successful candidate will have experience with STEAM instruction and hands-on learning methods, operating 3D printers, Laser Cutters or Vinyl Cutters, as well as a desire to learn and instruct on all of Generator's tools. They will support Generator's programs so that they not only serve, but create pathways to lifelong learning and equal opportunity for underserved communities.

DUTIES AND RESPONSIBILITIES:

- Deliver instruction for Generator's youth STEAM programs: *Maker Lab, Design Lab, Afterschool Programming, and Mentor Days.*
- Implement relevant curriculum utilizing input from the programs team that includes technical skills, transferable skills, and STEAM standards; Enhance workforce pathways for both youth and adults.
- Establish and maintain a learning environment that promotes learner growth and skill mastery and ensures safety; this includes workplace safety as well as social-emotional safety that fosters a sense of belonging.
- Implement and provide feedback on a system for tracking learning outcomes, evaluations, and analysis to grow Generator's impact for serving our community, to ensure that we are serving underrepresented members of our community and meeting our students where they are at.
- Run and collaborate on new hands-on fabrication projects and curriculum for youth programming to meet both transferable and technical skills sought out by local employers and Vermont standards.
- Contribute to Generator educational programs by fostering: a culture of safety and community; acknowledge the power of failing, iterating, and problem solving; critical thinking and exploration; integrates the arts and the power of creativity; is fun, playful, and engaging
- Grow with our Core Staff Team! Be part of our creative braintrust for Generator's overall curriculum. Be prepared to make great things happen.

AUXILIARY DUTIES:

- Weekly Program Team meetings and/or check-ins.

- Other duties as assigned by the Senior Director of Programs & Partnerships and Executive Director.

QUALIFICATIONS:

- 2+ years experience teaching middle and/or high school aged youth or similar experience.
- Strong communication & facilitation skills.
- A passion for working within a collaborative team with a goal to build a strong educational community.
- Experience with rapid prototyping tools such as 3D printers, laser cutters & vinyl cutters, and CNC (computer numeric control) machines.
- Software experience such as Adobe Illustrator (creative cloud), and experience and/or exposure to CAD/CAM systems, for example: AutoDesk, Fusion 360, Solidworks, OnShape, MasterCam, NX, Rhino/Rhino CAM, Prusa Slicr.
- A strong desire to learn new tools and software and to develop hands-on STEAM projects.

*Interested applicants are invited to send 1) resume, 2) cover letter, and 3) three references to Senior Director of Programs & Partnerships, Veronica Newton, at: veronica@generatorvt.com. Applications are open until August 12, 2024 or until the position has been filled. Please send pdf files titled using the following format: *LastName.Resume.pdf*

Generator is committed to building a work community that is inclusive and represents a vibrant diversity of background, experience, perspective and thought. Candidates across all markers of identity (age, race, gender, ability, communication styles, etc.) are highly encouraged to apply.

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