

# R&D Engineer Position, Jr/Mid

at disruptive greentech start-up in Washington, D.C./Montgomery Co.,MD

MicroRecycling Systems seeks an early or mid-career engineer with B.S. or M.S. degrees in Mechanical or Industrial Engineering, Materials Science, or similar areas. We are a technology startup focused on enabling technologies for a circular economy. We are building first-in-class small-scale automated systems for separating and sorting of materials. We need technical talent to forge the disruptive technologies that will underpin tomorrow's circular economy. We are looking for skilled, impact-oriented, intensively curious, annoyingly-optimistic, driven professionals, with a deep passion for technology and the environment. So, if you constantly see new and better ways to do things. If you are a builder with a restlessness to put your technical talent to good use. If you are not afraid of failure and eagerly learn from your mistakes: we are looking for you.

## Position Description

Your initial role will be to build and perform experiments to inform the product development effort, starting with our ongoing prototypes and efforts. Over time you are expected to grow professionally and lead technical teams on the development of core technologies, product development, manufacturing or other growing professional responsibilities. This is an opportunity to experience a professional life at a startup and play a central role in a product that can change the world. Through this journey, your position will ask for a broad range of skills and flexibility in using them. We are currently a small company, and you will work directly with the CEO. The position is full-time in Washington, DC/MoCo; part-time and remote when tasks at hand allow.

## Responsibilities

- Support of product development efforts through experimental, computational, and analytical engineering methods
- Document research, designs, and experiments in accordance with Quality Assurance guidelines
- Ideate new technology solutions in collaboration with colleagues and partner organizations.
- Evaluate technical viability of novel technical solutions
- Support the growth in talent and facilities of the engineering team
- Work directly with external partners such as consultants, contract manufacturers, and suppliers, and manage those relationships.

## Skills and Qualifications

- B.S. or M.S. on Mechanical, Industrial, Manufacturing Engineering, Materials Science, or similar areas required. Industry experience preferred.
- Prone to taking initiative and calculated risks. Able to interpret a mission into actionable items.
- Experience with engineering tools, such as CAD, CFD, or other
- Understanding of mechanical design and fabrication, including practical machine shop skills
- Understanding of microcontroller systems, embedded software, and sensors
- Understanding of digital and analog circuits, as well as experience with circuit prototyping and layout design
- Ability to use programming languages such as Python or C, including applied to graphic user interfaces (GUI) and embedded systems
- Experience with design for manufacturing and bringing a product to market is highly desired, but not required
- Ability and disposition to acquire new skills quickly

## Instructions

Please send a cover letter and resume to [careers@microrecycling.systems](mailto:careers@microrecycling.systems) with "R&D Engineer – [Your Last Name]" in the Subject Line of the email. Attaching a few slides showing exemplary engineering projects is highly encouraged. Chosen candidates will be invited for a remote interview. Top candidates from those will be invited to in-person interview for final selection. Women and minorities encouraged to apply. This position will be based in Washington, D.C./Montgomery Co., MD, and will start after September 2022. MicroRecycling Systems is a minority-owned business.